

Data File : VW007307.D
Acq On : 07 Dec 2018 14:06
Operator : SY/AP
Sample : VSTD00593
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00593

Quant Time: Dec 07 15:24:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 15:11:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	151401	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	126194	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	66950	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	4550	3.53	ug/L	0.00
7) Chloroethane-d5	2.89	69	4106	4.45	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	16483	4.91	ug/L	0.00
20) 2-Butanone-d5	7.08	46	5823	11.16	ug/L	0.00
24) Chloroform-d	7.65	84	18375	5.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	10256	5.59	ug/L	0.00
29) Benzene-d6	8.27	84	35815	5.97	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	10227	5.95	ug/L	0.00
37) Toluene-d8	10.32	98	33817	5.33	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	5247	6.25	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4782	11.88	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	9536	6.09	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	11599	4.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7733	2.795 ug/L	91
3) Chloromethane	2.22	50	6797	3.517 ug/L	96
5) Vinyl chloride	2.37	62	5858	3.386 ug/L	96
6) Bromomethane	2.78	94	4043	4.074 ug/L	91
8) Chloroethane	2.93	64	3610	3.872 ug/L	90
9) Trichlorofluoromethane	3.25	101	6877	2.122 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	8717	4.557 ug/L #	93
12) 1,1-Dichloroethene	4.03	96	8534	5.063 ug/L	96
13) Acetone	4.12	43	6637	18.162 ug/L	99
14) Carbon disulfide	4.37	76	24809	4.159 ug/L	97
15) Methyl Acetate	4.67	43	5512	6.083 ug/L #	98
16) Methylene chloride	4.92	84	13890	5.739 ug/L	90
17) Methyl tert-butyl Ether	5.42	73	14158	3.268 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	9291	4.986 ug/L	97
19) 1,1-Dichloroethane	6.21	63	15673	5.084 ug/L	99
21) 2-Butanone	7.18	43	7011	12.498 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	10358	5.198 ug/L	97
23) Bromochloromethane	7.52	128	4631	5.341 ug/L #	91
25) Chloroform	7.67	83	17098	5.113 ug/L	99
27) 1,2-Dichloroethane	8.40	62	12076	5.443 ug/L	100
30) Cyclohexane	7.96	56	15020	5.461 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	14511	5.553 ug/L	98
32) Carbon tetrachloride	8.07	117	13813	5.824 ug/L	97
34) Benzene	8.32	78	36271	5.547 ug/L	100
35) Trichloroethene	9.09	95	10333	5.828 ug/L	99
36) Methylcyclohexane	9.34	83	18005	5.469 ug/L	99
40) 1,2-Dichloropropane	9.37	63	8710	5.553 ug/L	100
41) Bromodichloromethane	9.64	83	12293	5.986 ug/L #	99
42) cis-1,3-Dichloropropene	10.07	75	14465	5.806 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	13490	11.623 ug/L	99

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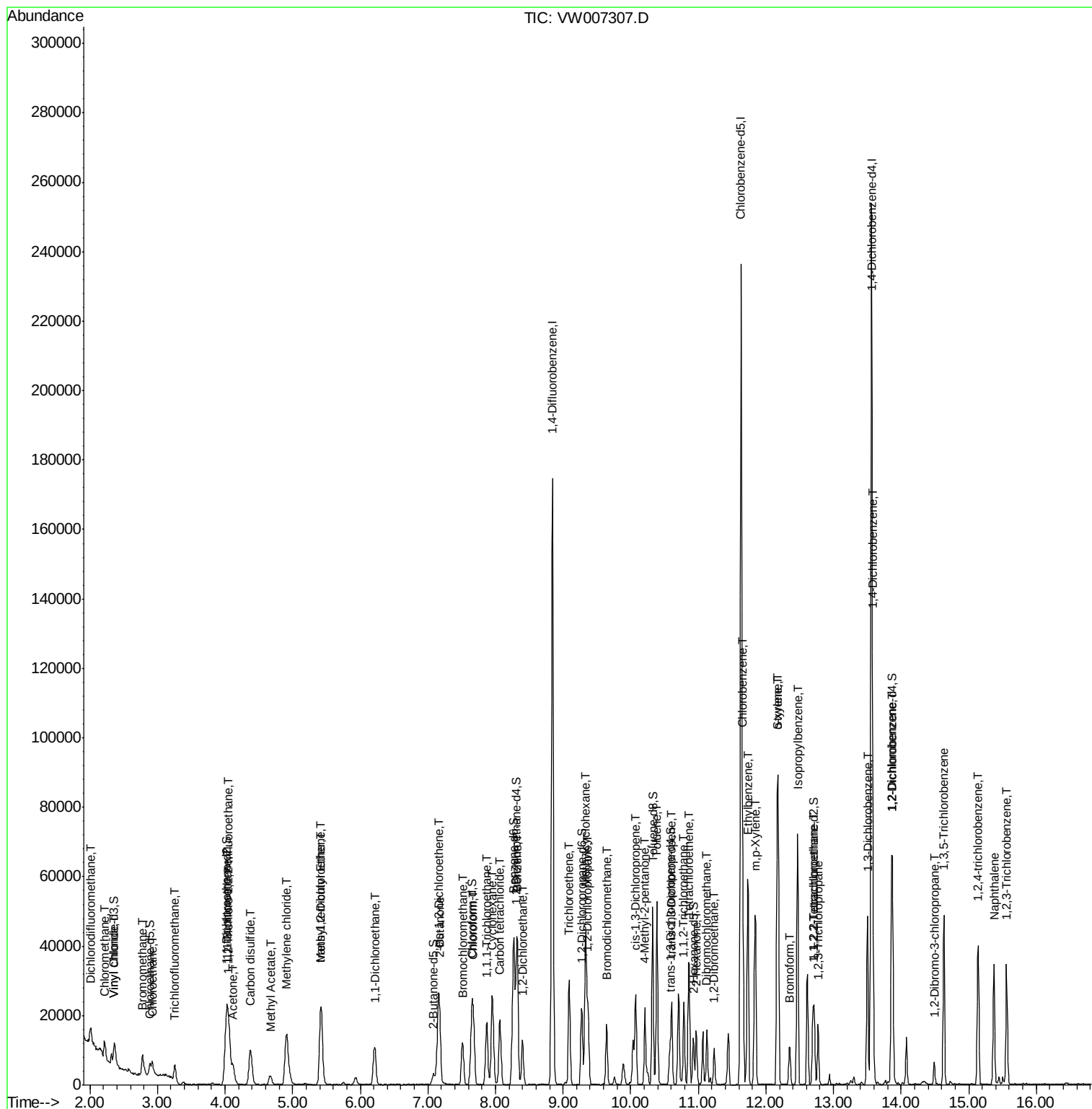
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	38015	4.852	ug/L	87
45) trans-1,3-Dichloropropene	10.60	75	12827	5.860	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	7018	5.682	ug/L	96
47) Tetrachloroethene	10.87	164	7813	5.045	ug/L	93
49) 2-Hexanone	10.97	43	9420	11.990	ug/L	95
50) Dibromochloromethane	11.13	129	8319	5.529	ug/L	88
51) 1,2-Dibromoethane	11.24	107	7612	6.081	ug/L #	90
52) Chlorobenzene	11.66	112	26309	5.093	ug/L	95
53) Ethylbenzene	11.73	91	42368	4.664	ug/L	91
54) m,p-Xylene	11.85	106	16802	4.740	ug/L	95
55) o-xylene	12.17	106	15807	4.809	ug/L	97
56) Styrene	12.18	104	26692	4.802	ug/L	92
57) Isopropylbenzene	12.47	105	45057	4.929	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	8783	5.595	ug/L	86
59) 1,2,3-Trichloropropane	12.77	75	7118	5.802	ug/L	99
62) Bromoform	12.35	173	5172	5.642	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	21035	4.775	ug/L	90
64) 1,4-Dichlorobenzene	13.58	146	20075	4.530	ug/L #	82
65) 1,2-Dichlorobenzene	13.88	146	18281	4.535	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.49	75	1782	5.451	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	14702	4.443	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	12709	4.518	ug/L	95
69) Naphthalene	15.37	128	30439	5.082	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	11312	4.609	ug/L	99

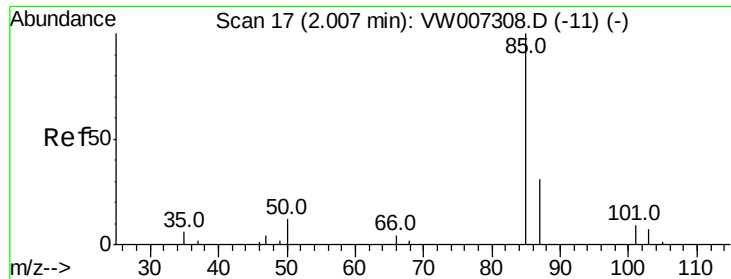
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.795 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

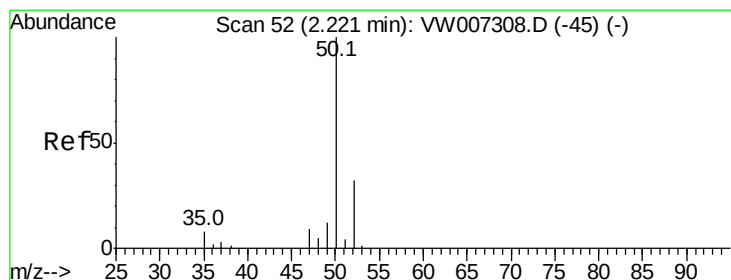
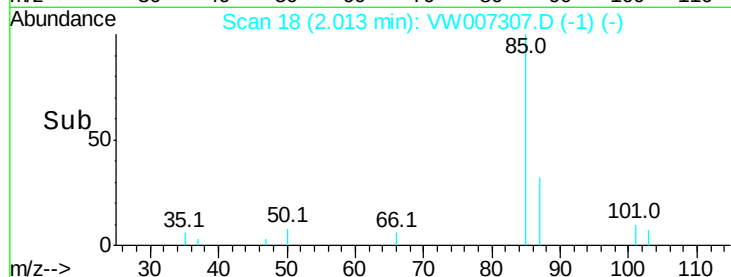
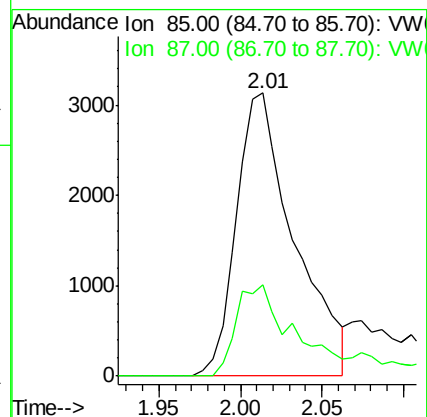
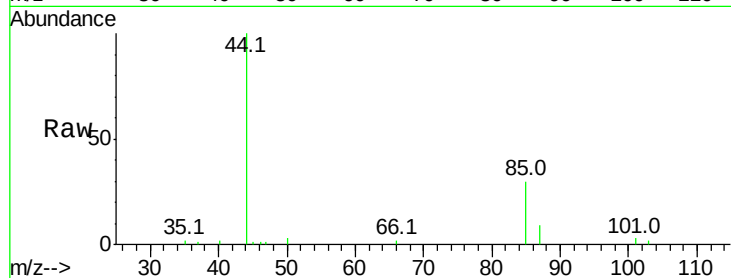
VSTD00593

Tgt Ion: 85 Resp: 7733

Ion Ratio Lower Upper

85 100

87 27.8 23.2 43.0



#3

Chloromethane

Concen: 3.517 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007307.D

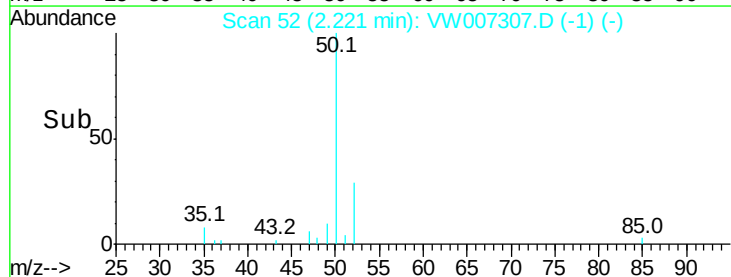
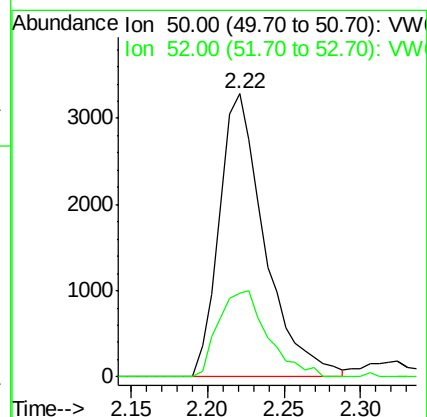
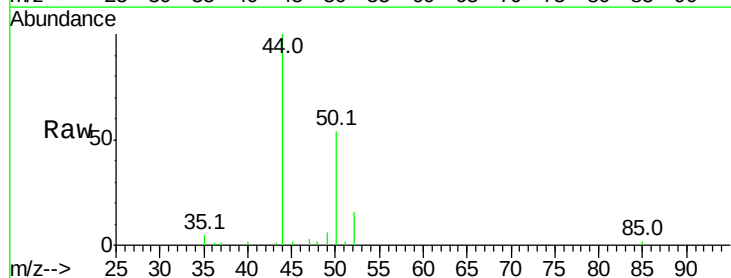
Acq: 07 Dec 2018 14:06

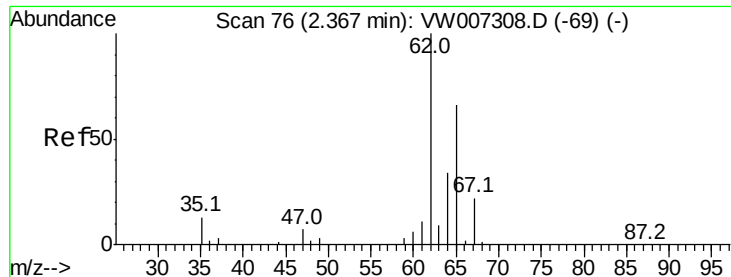
Tgt Ion: 50 Resp: 6797

Ion Ratio Lower Upper

50 100

52 29.4 22.2 41.2





#5

Vinyl chloride

Concen: 3.386 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

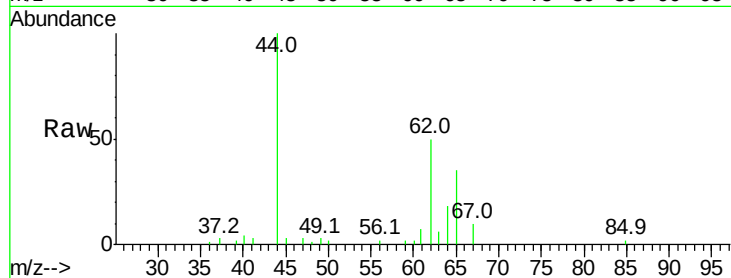
VSTD00593

Tgt Ion: 62 Resp: 5858

Ion Ratio Lower Upper

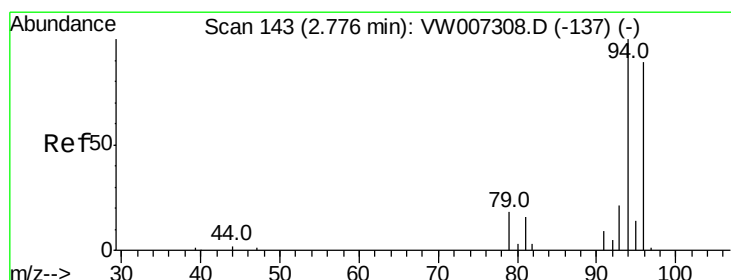
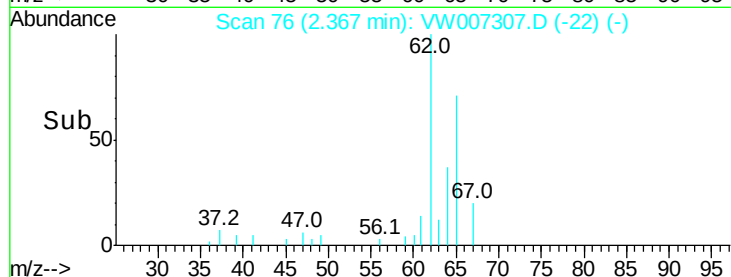
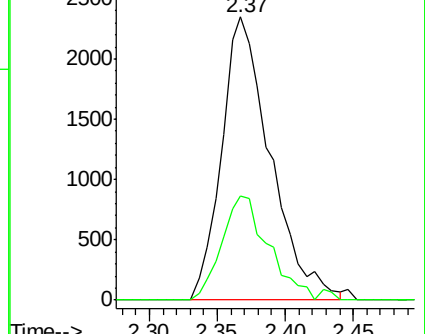
62 100

64 36.6 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 4.074 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007307.D

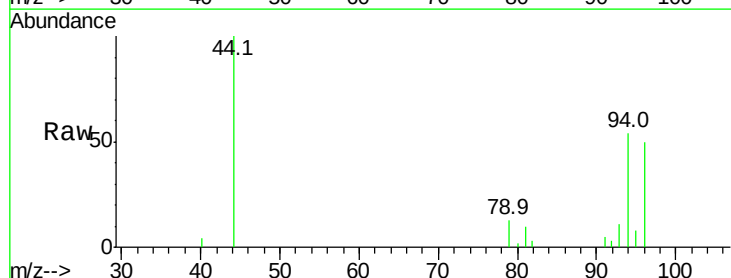
Acq: 07 Dec 2018 14:06

Tgt Ion: 94 Resp: 4043

Ion Ratio Lower Upper

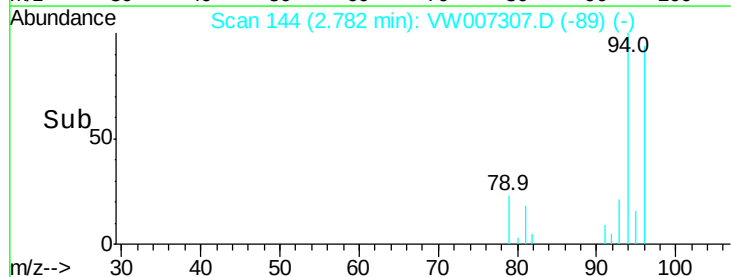
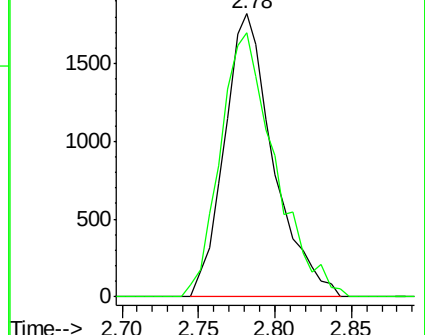
94 100

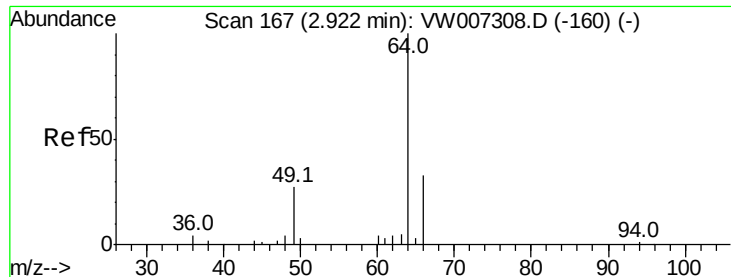
96 104.3 9.6 181.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 3.872 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

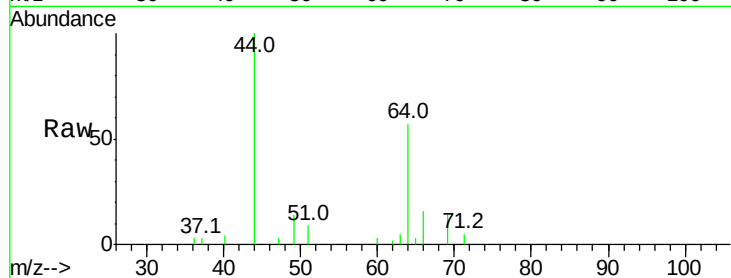
VSTD00593

Tgt Ion: 64 Resp: 3610

Ion Ratio Lower Upper

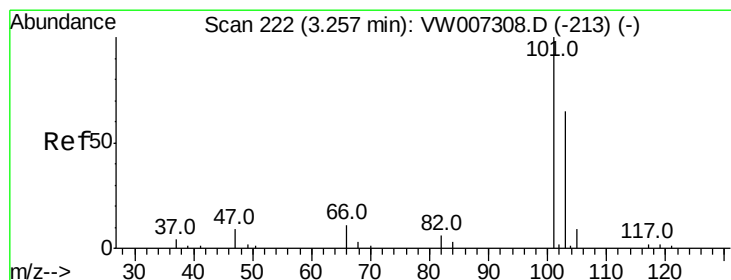
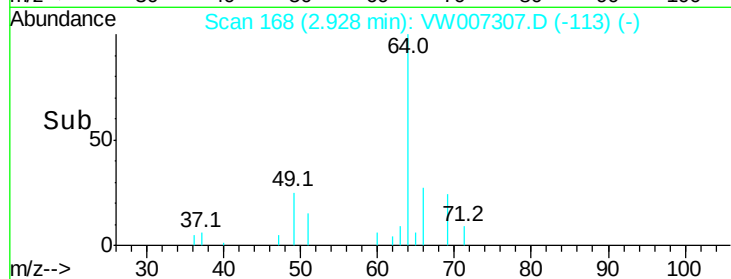
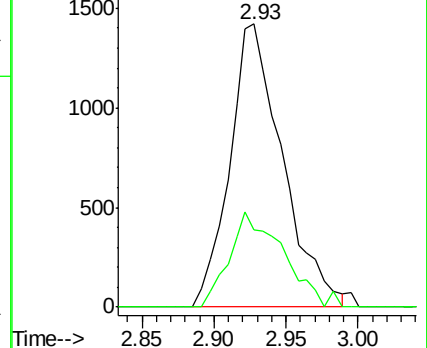
64 100

66 27.4 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 2.122 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW007307.D

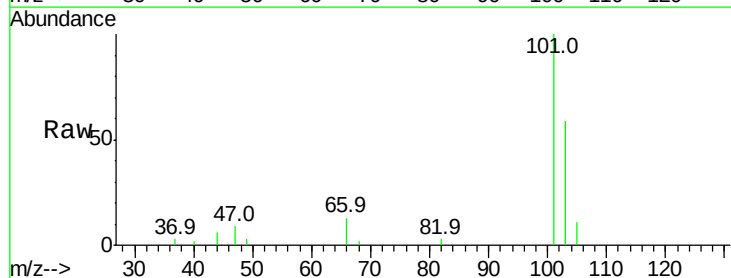
Acq: 07 Dec 2018 14:06

Tgt Ion: 101 Resp: 6877

Ion Ratio Lower Upper

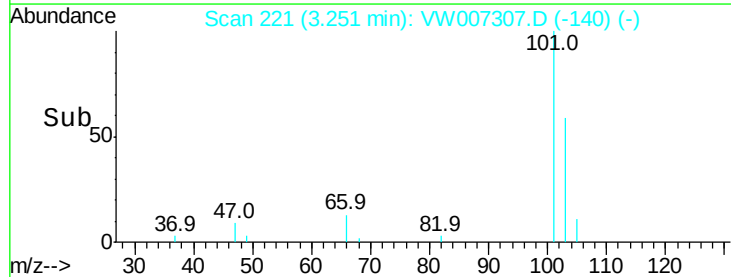
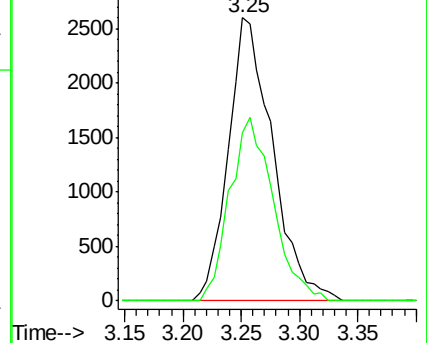
101 100

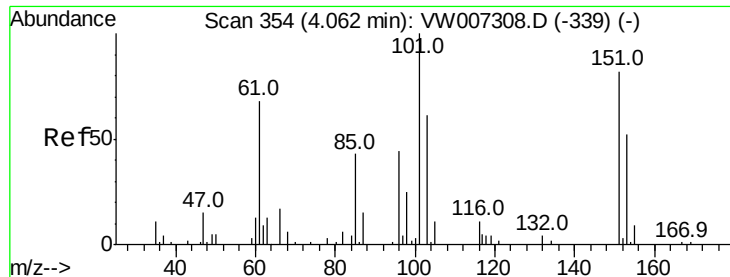
103 63.4 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.557 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD00593

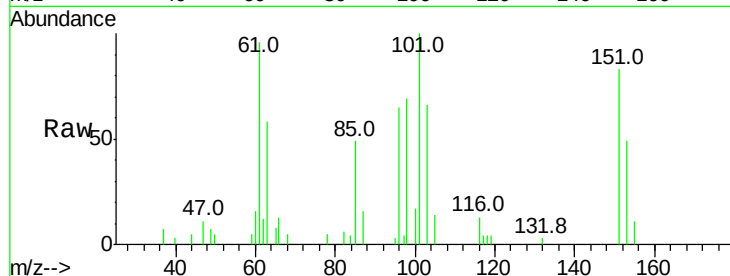
Tgt Ion:101 Resp: 8717

Ion Ratio Lower Upper

101 100

85 34.4 35.4 53.2#

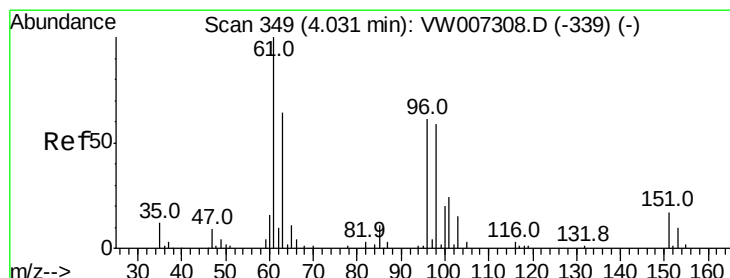
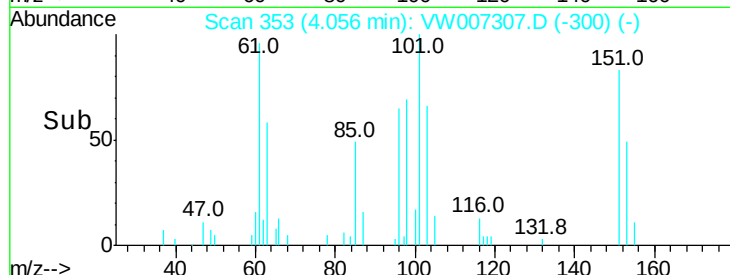
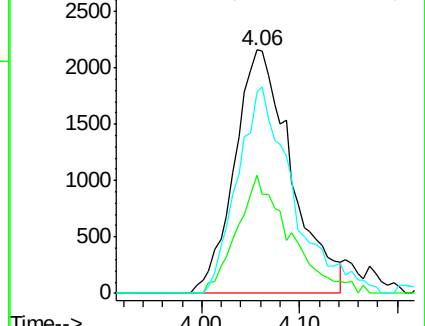
151 78.4 64.8 97.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.063 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

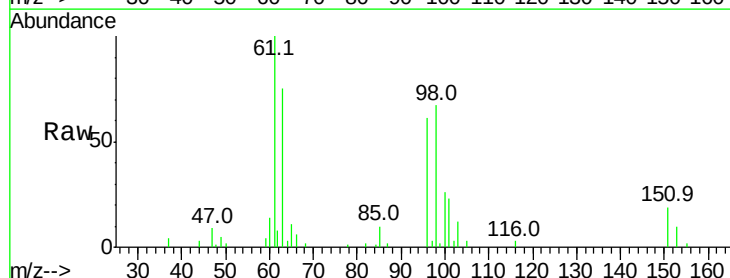
Tgt Ion: 96 Resp: 8534

Ion Ratio Lower Upper

96 100

61 162.9 117.2 217.8

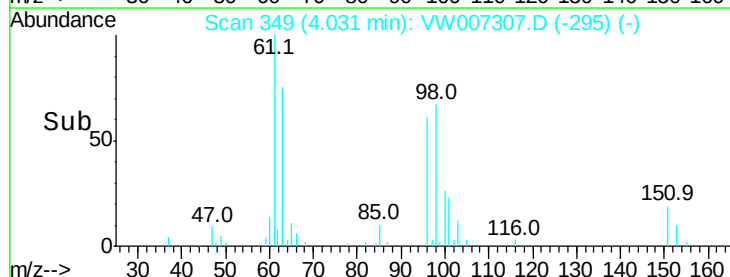
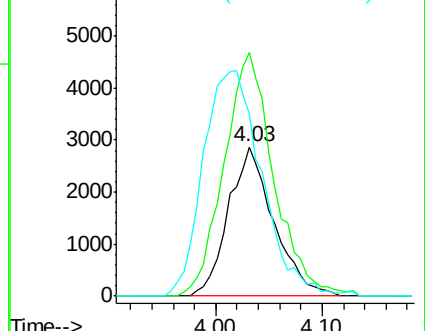
63 121.7 89.7 166.7

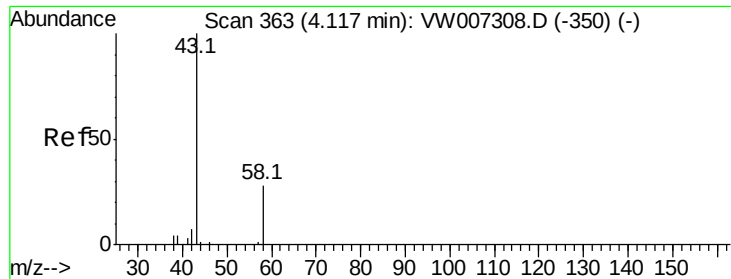


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 18.162 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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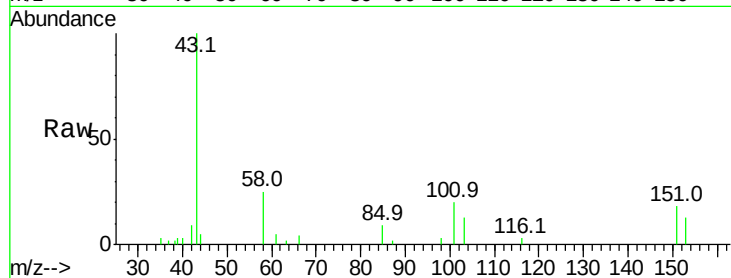
VSTD00593

Tgt Ion: 43 Resp: 6637

Ion Ratio Lower Upper

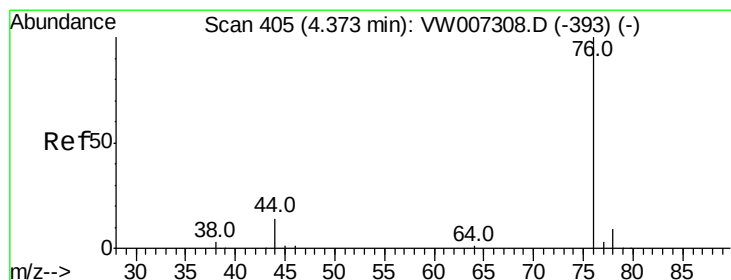
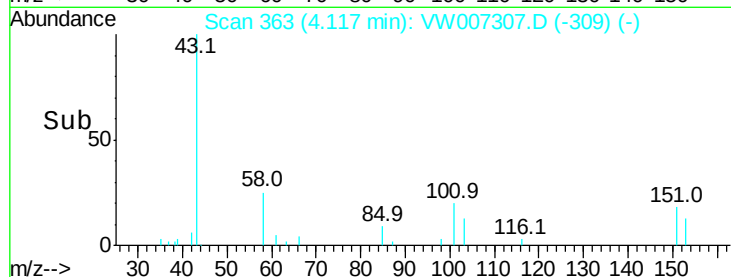
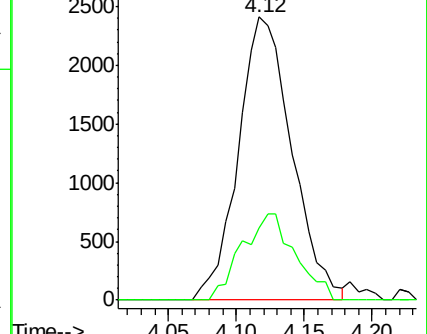
43 100

58 30.3 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 4.159 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007307.D

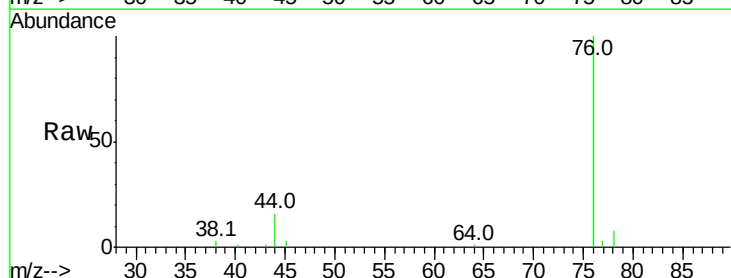
Acq: 07 Dec 2018 14:06

Tgt Ion: 76 Resp: 24809

Ion Ratio Lower Upper

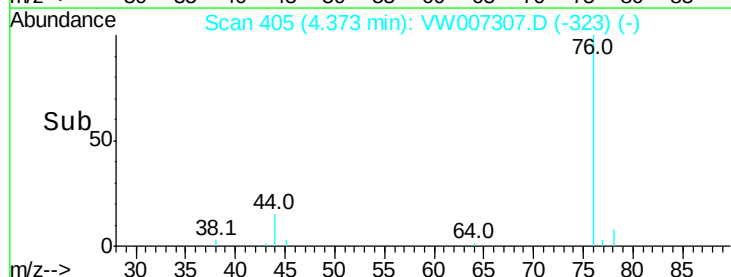
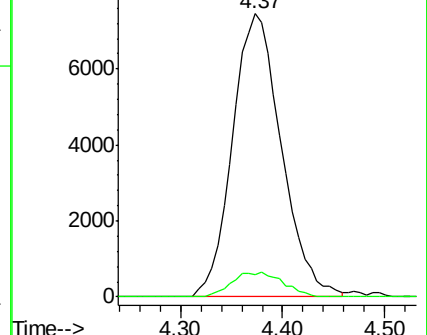
76 100

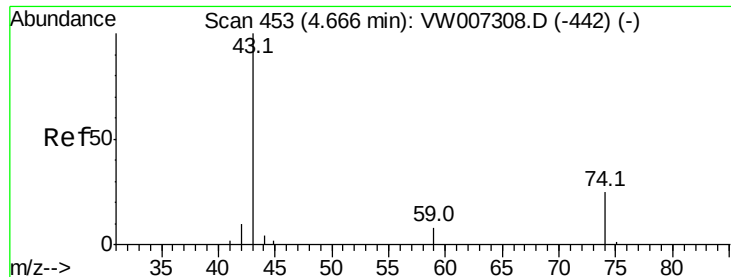
78 7.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 6.083 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

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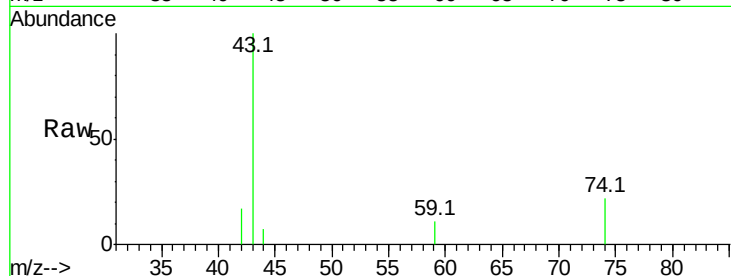
VSTD00593

Tgt Ion: 43 Resp: 5512

Ion Ratio Lower Upper

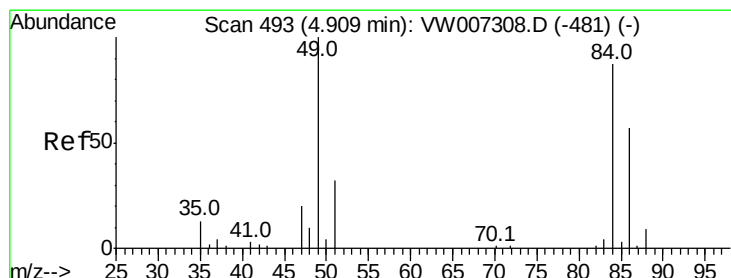
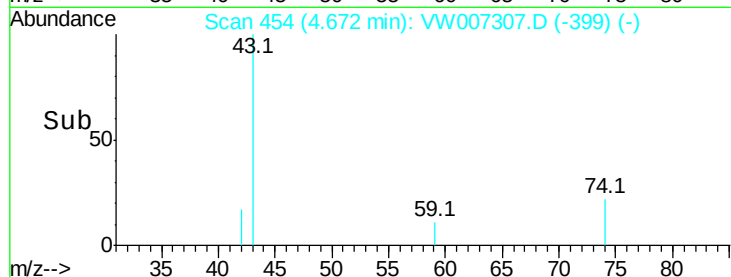
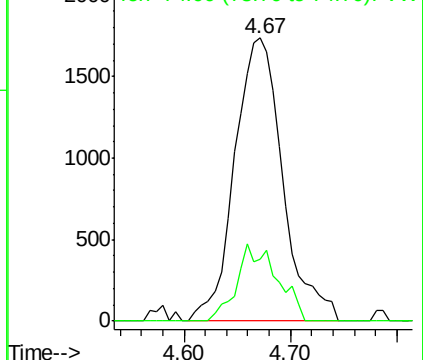
43 100

74 5.4 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 5.739 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

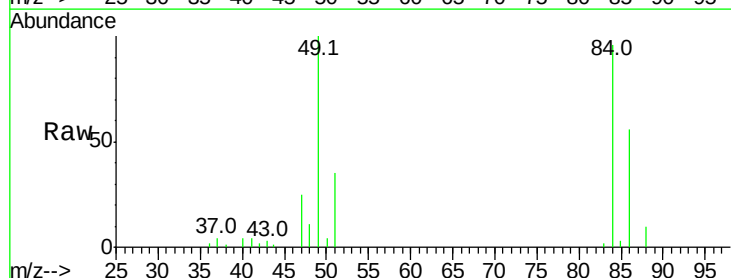
Tgt Ion: 84 Resp: 13890

Ion Ratio Lower Upper

84 100

49 104.5 80.8 150.2

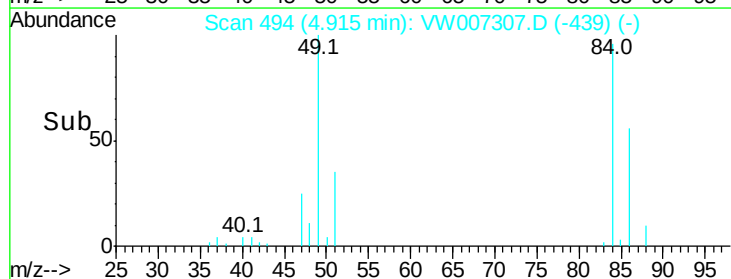
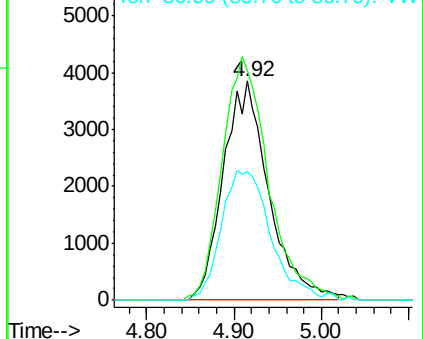
86 58.7 45.8 85.2

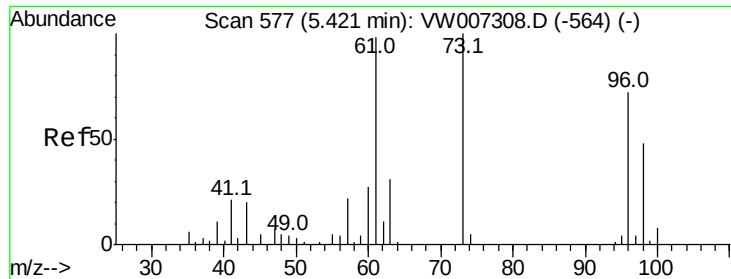


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

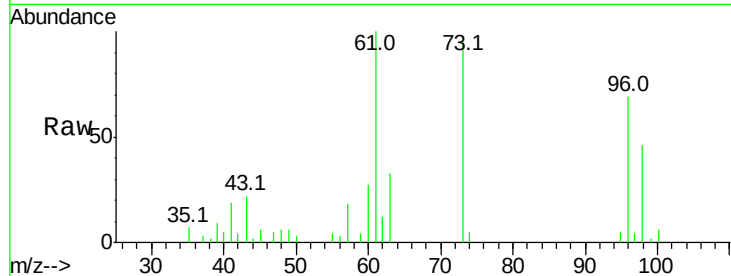




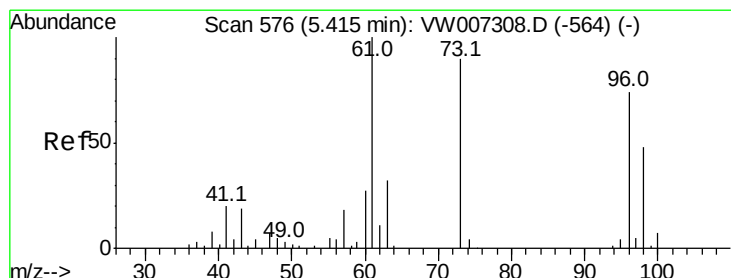
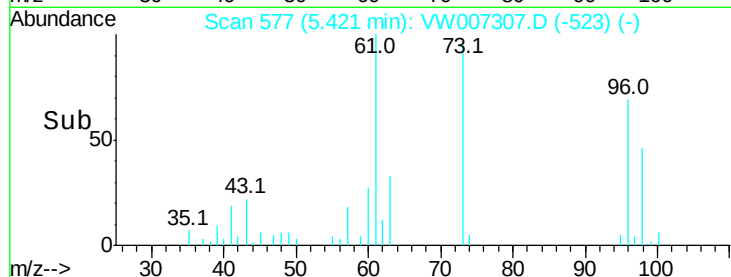
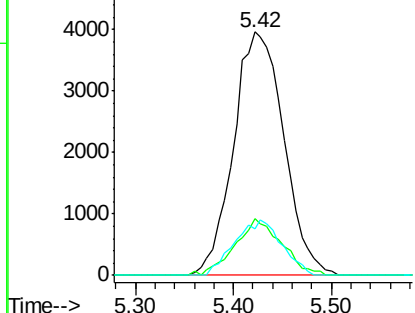
#17
Methyl tert-butyl Ether
Concen: 3.268 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

Instrument :
MSVOA_W
ClientSampled :
VSTD00593

Tgt Ion: 73 Resp: 14158
Ion Ratio Lower Upper
73 100
43 21.3 17.3 25.9
57 21.5 17.0 25.6

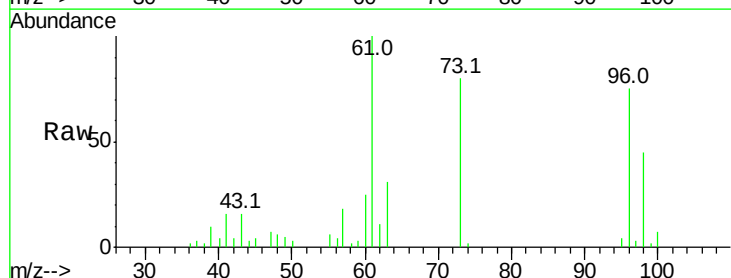


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

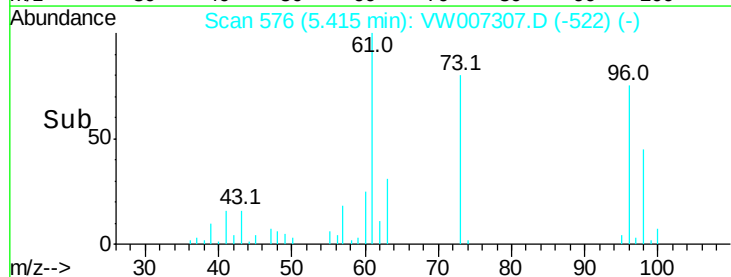
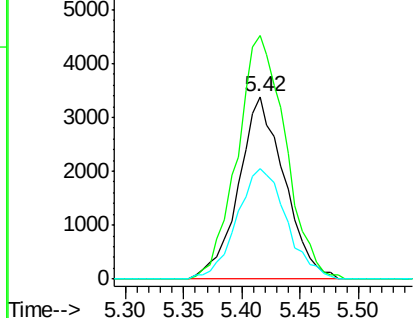


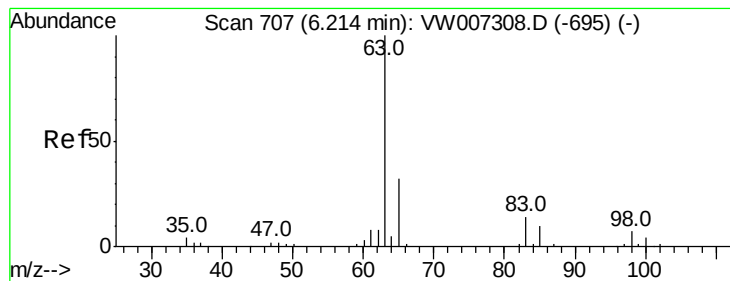
#18
trans-1,2-Dichloroethene
Concen: 4.986 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

Tgt Ion: 96 Resp: 9291
Ion Ratio Lower Upper
96 100
61 133.4 94.6 175.8
98 60.4 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 5.084 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD00593

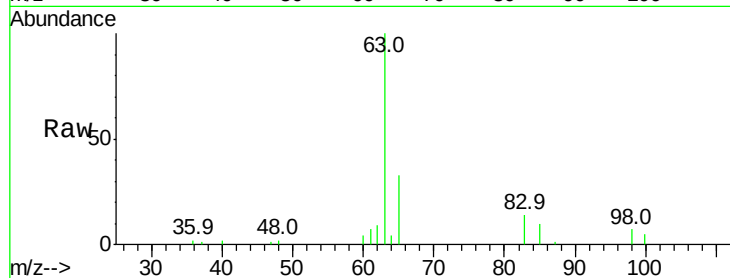
Tgt Ion: 63 Resp: 15673

Ion Ratio Lower Upper

63 100

65 32.8 22.1 41.1

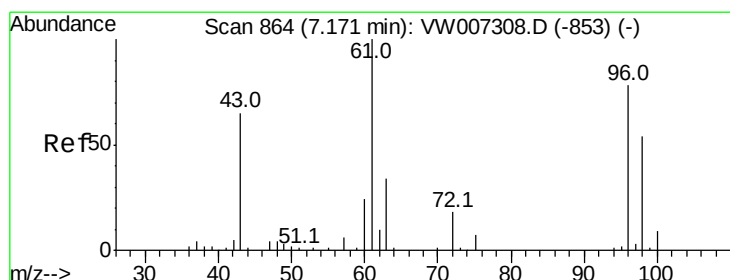
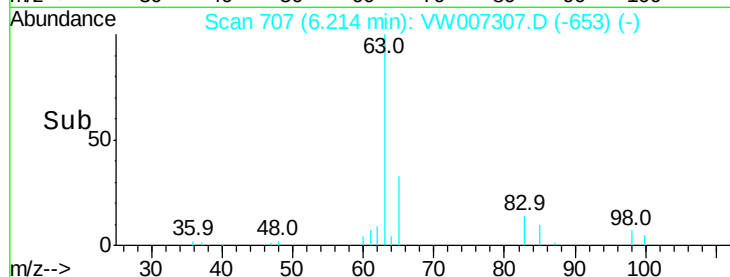
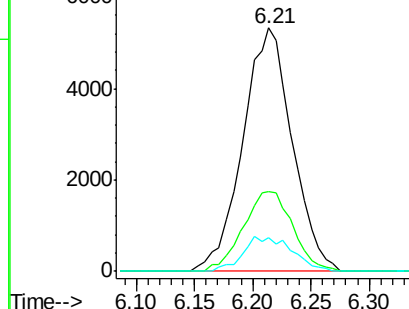
83 13.9 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 12.498 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007307.D

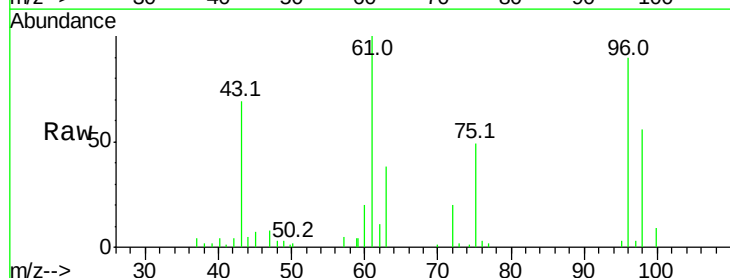
Acq: 07 Dec 2018 14:06

Tgt Ion: 43 Resp: 7011

Ion Ratio Lower Upper

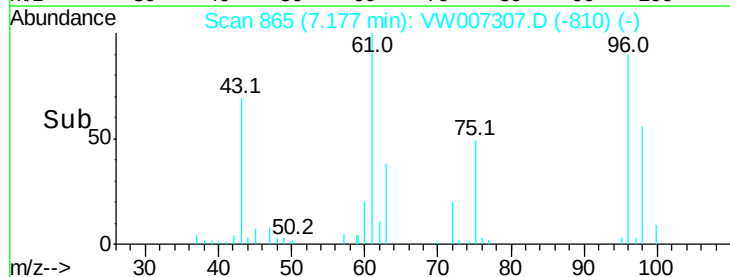
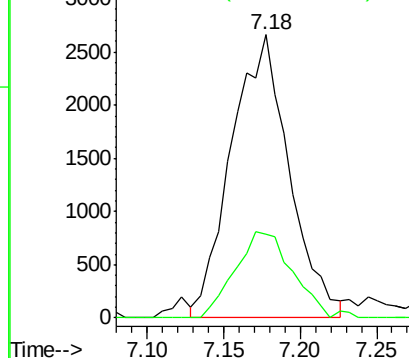
43 100

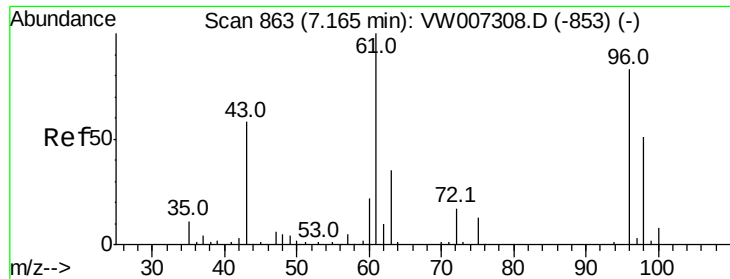
72 29.7 14.7 44.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



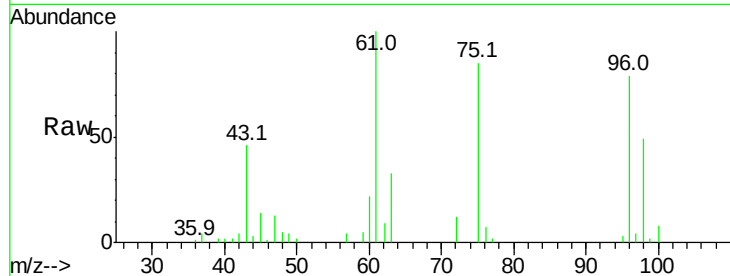


#22

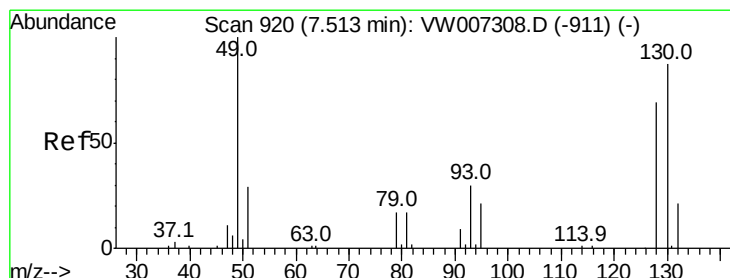
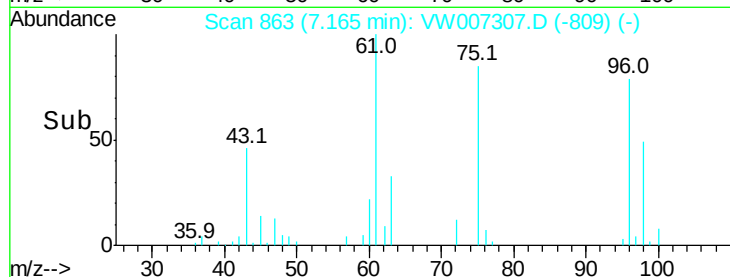
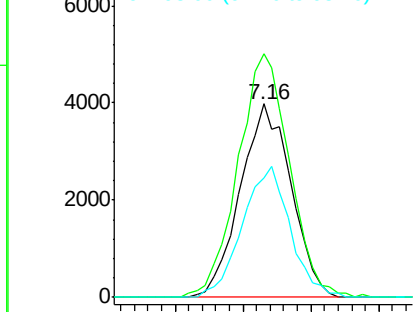
cis-1,2-Dichloroethene
Concen: 5.198 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTD00593

Tgt Ion: 96 Resp: 10358
Ion Ratio Lower Upper
96 100
61 126.1 84.6 157.2
98 61.6 42.9 79.7



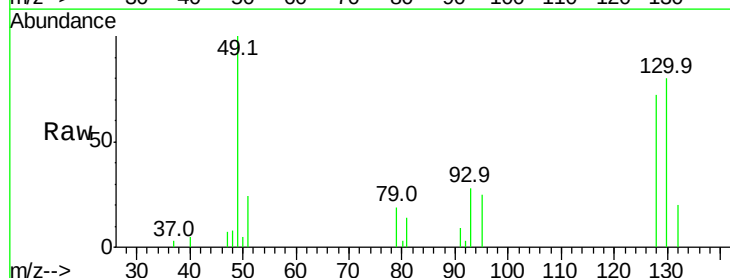
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



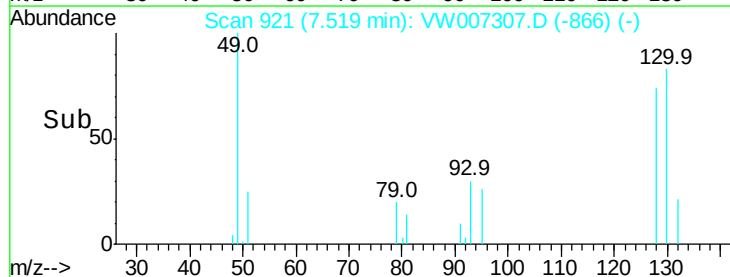
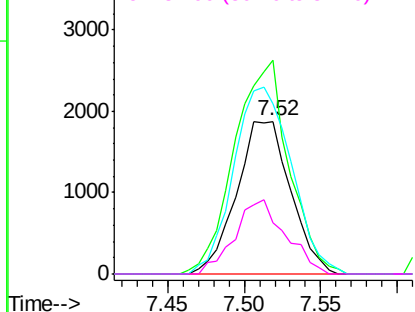
#23

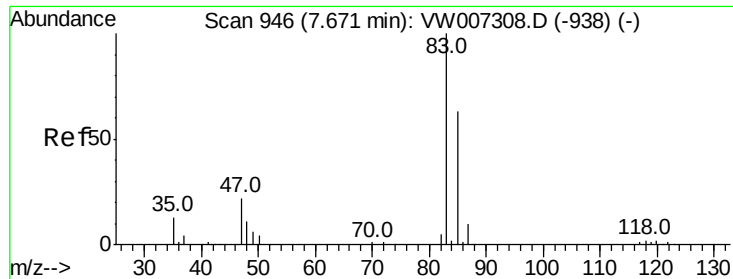
Bromochloromethane
Concen: 5.341 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

Tgt Ion: 128 Resp: 4631
Ion Ratio Lower Upper
128 100
49 139.7 102.3 190.1
130 111.4 88.0 163.4
51 33.2 34.2 51.4#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

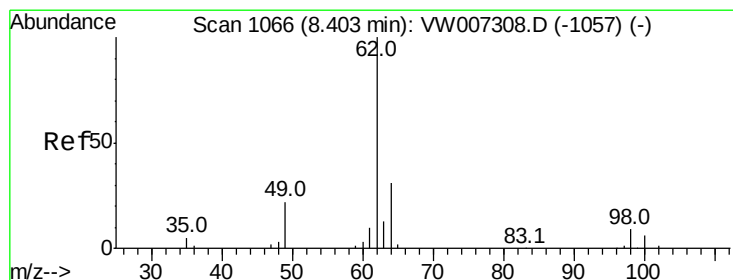
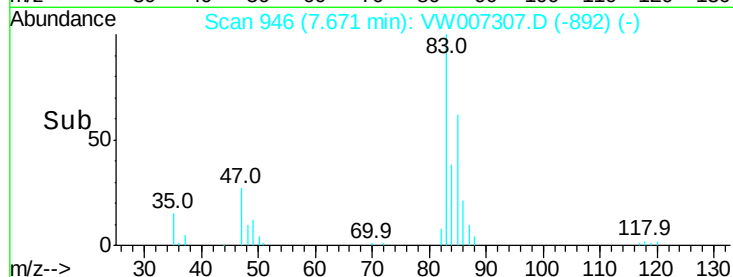
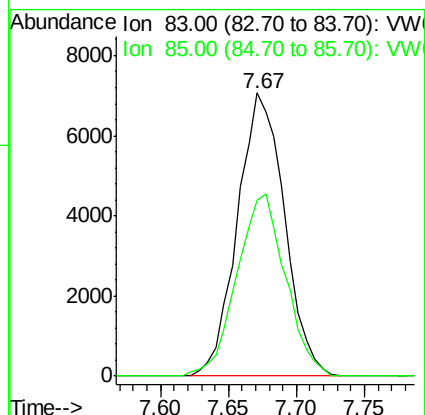
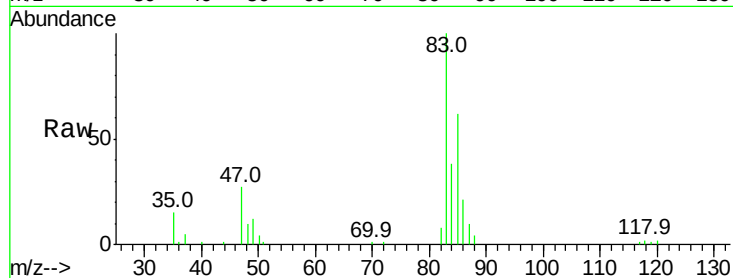




#25
Chloroform
Concen: 5.113 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

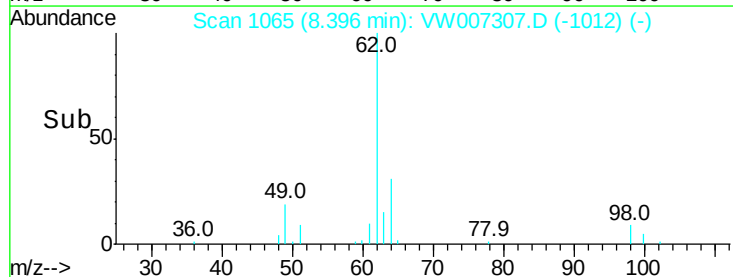
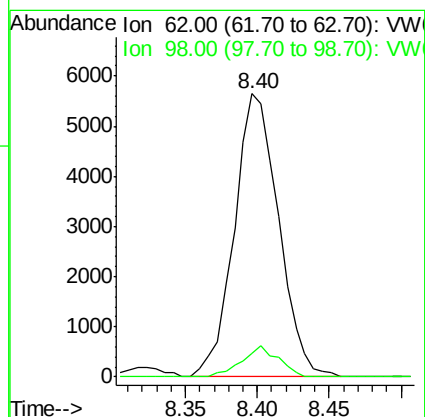
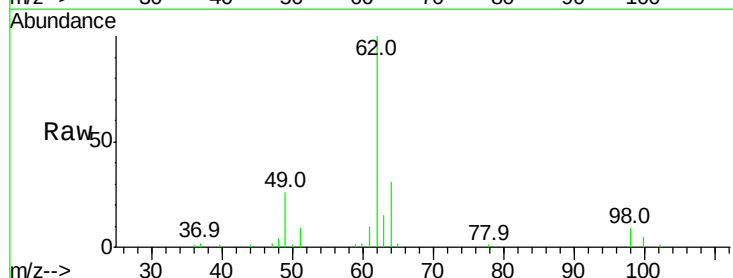
Instrument :
MSVOA_W
ClientSampleId :
VSTD00593

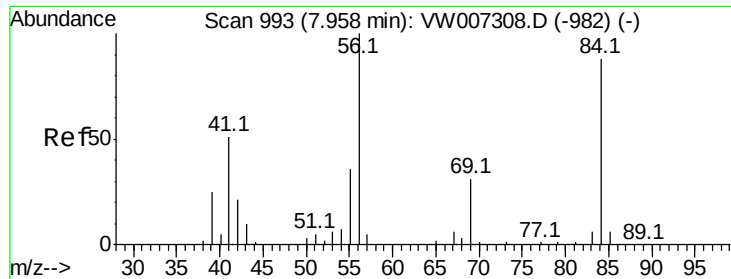
Tgt Ion: 83 Resp: 17098
Ion Ratio Lower Upper
83 100
85 66.4 46.0 85.4



#27
1,2-Dichloroethane
Concen: 5.443 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

Tgt Ion: 62 Resp: 12076
Ion Ratio Lower Upper
62 100
98 8.5 6.9 10.3

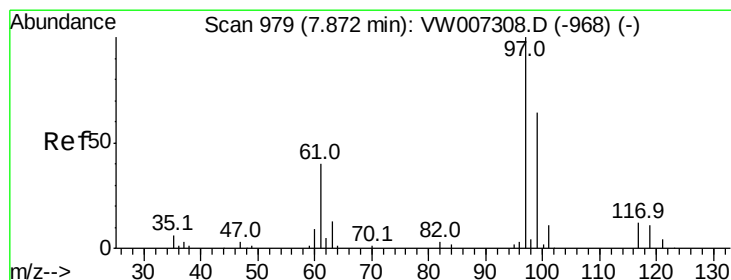
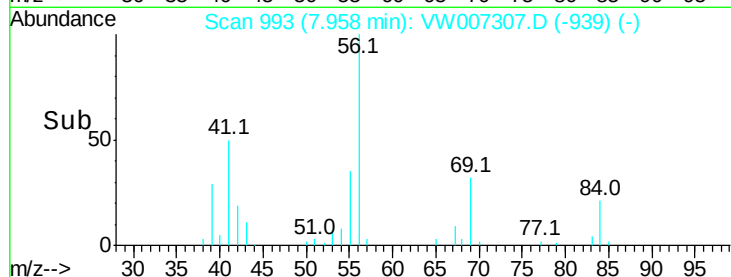
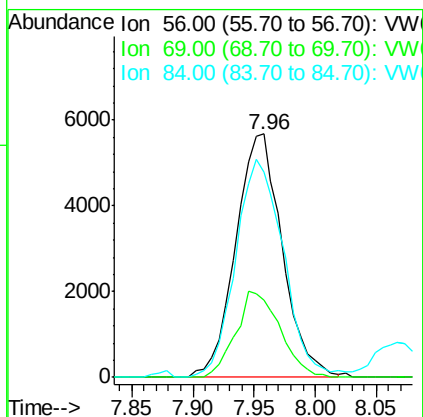
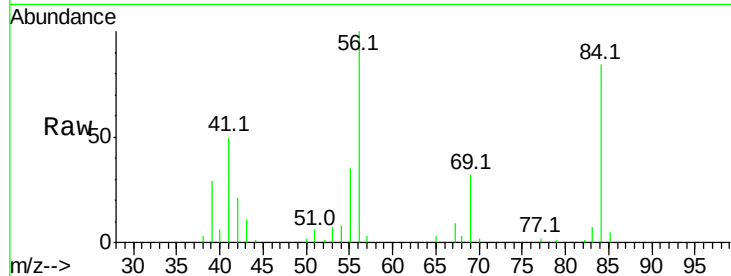




#30
Cyclohexane
Concen: 5.461 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

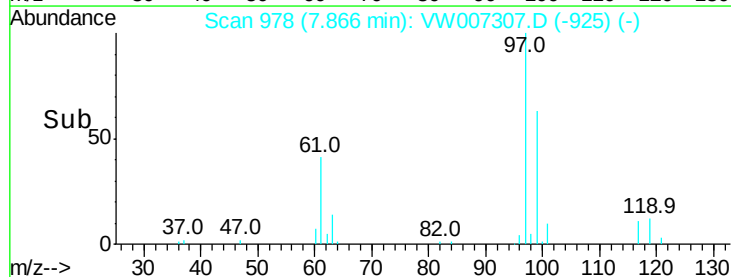
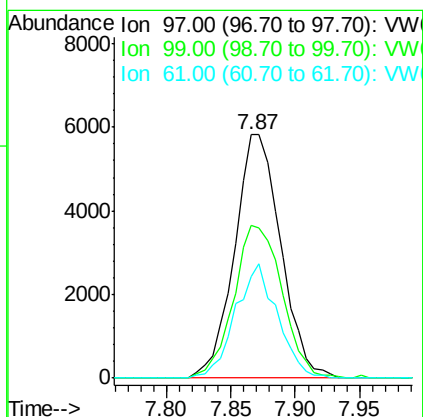
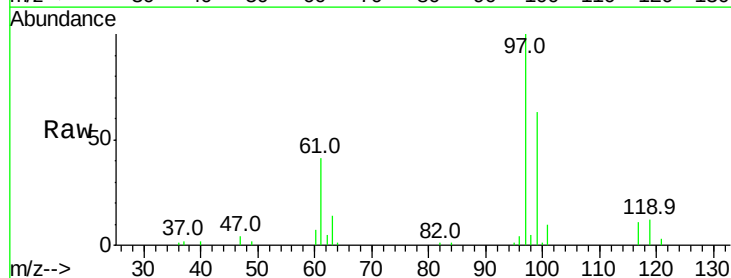
Instrument :
MSVOA_W
ClientSampleId :
VSTD00593

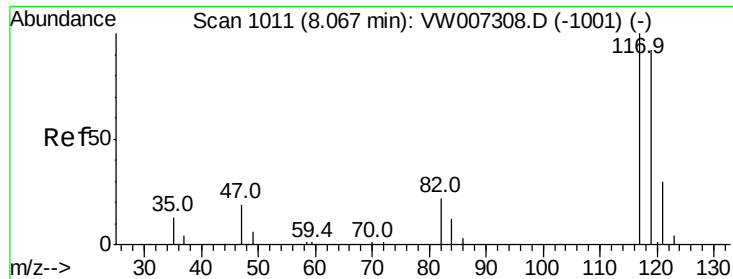
Tgt Ion: 56 Resp: 15020
Ion Ratio Lower Upper
56 100
69 33.5 26.0 39.0
84 91.7 73.6 110.4



#31
1,1,1-Trichloroethane
Concen: 5.553 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

Tgt Ion: 97 Resp: 14511
Ion Ratio Lower Upper
97 100
99 65.7 51.3 76.9
61 42.7 33.2 49.8





#32

Carbon tetrachloride

Concen: 5.824 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

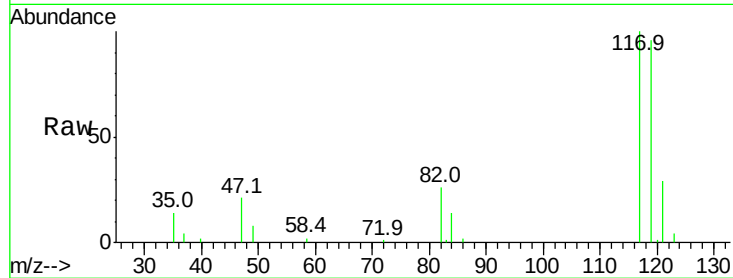
VSTD00593

Tgt Ion:117 Resp: 13813

Ion Ratio Lower Upper

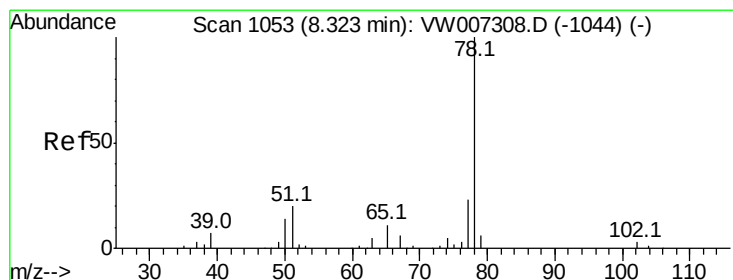
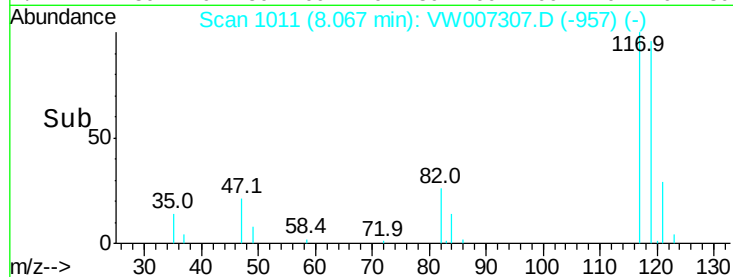
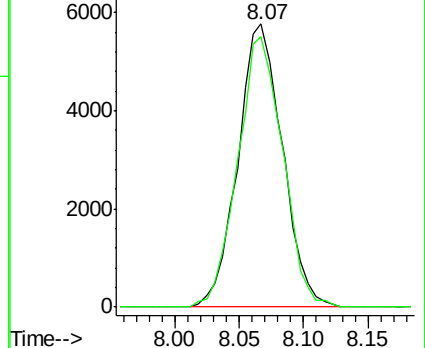
117 100

119 96.7 75.3 112.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.547 ug/L

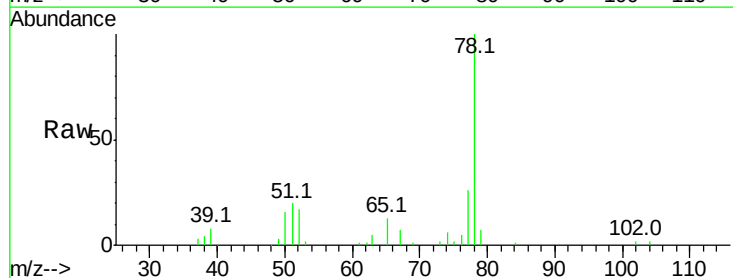
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

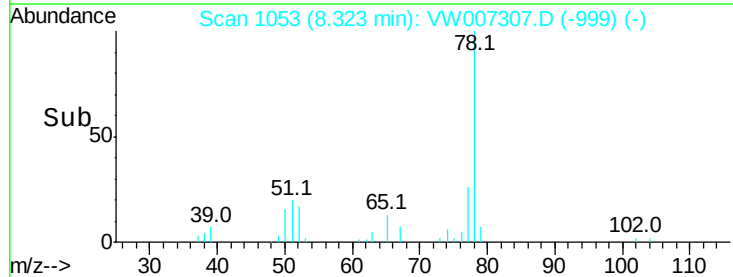
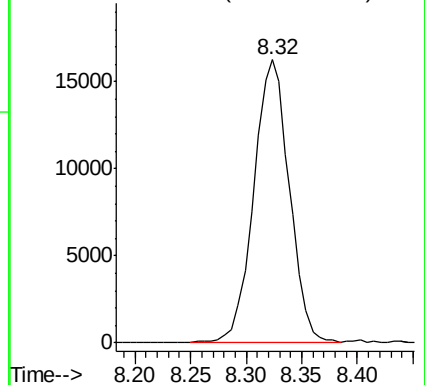
Lab File: VW007307.D

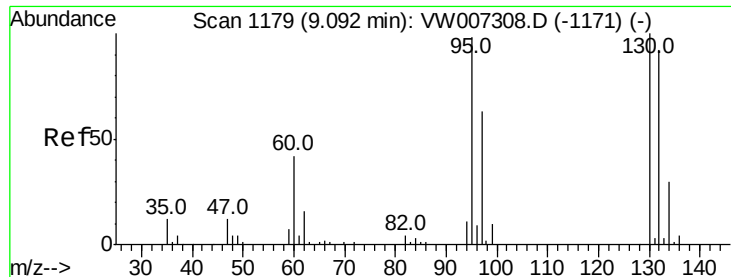
Acq: 07 Dec 2018 14:06

Tgt Ion: 78 Resp: 36271



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 5.828 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD00593

Tgt Ion: 95 Resp: 10333

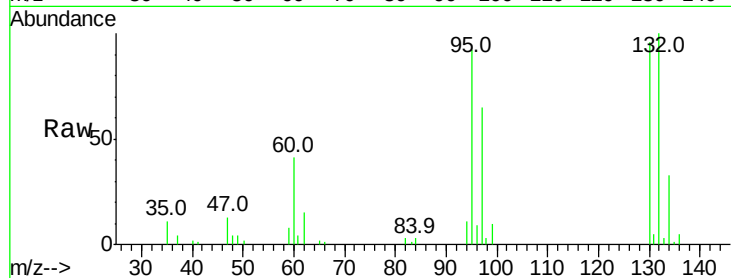
Ion Ratio Lower Upper

95 100

97 64.6 45.8 85.0

132 98.7 68.0 126.4

130 103.1 71.6 133.0



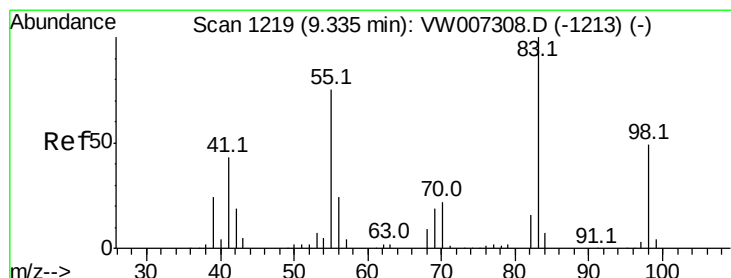
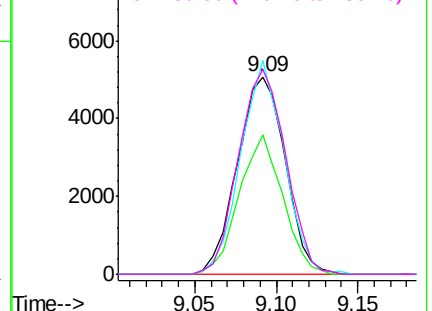
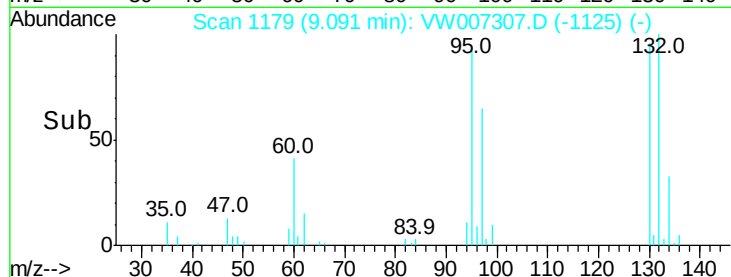
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 5.469 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

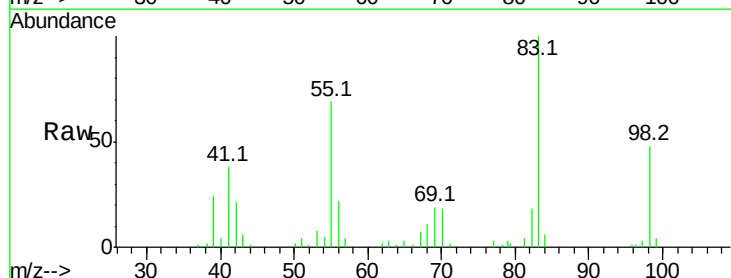
Tgt Ion: 83 Resp: 18005

Ion Ratio Lower Upper

83 100

55 73.5 59.4 89.2

98 47.9 38.1 57.1

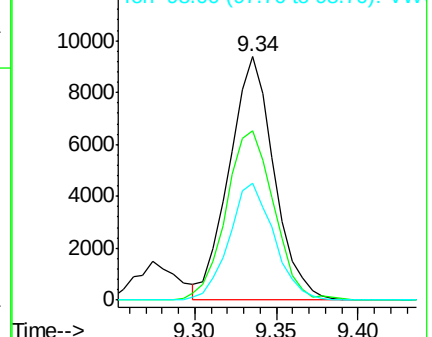
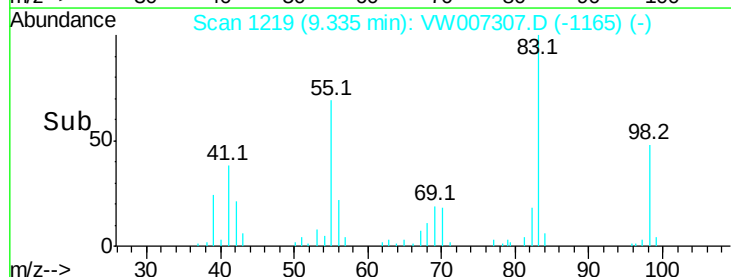


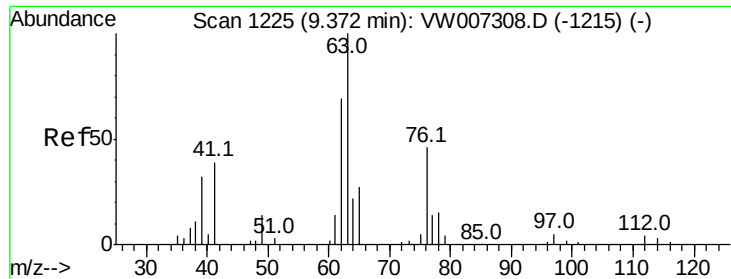
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

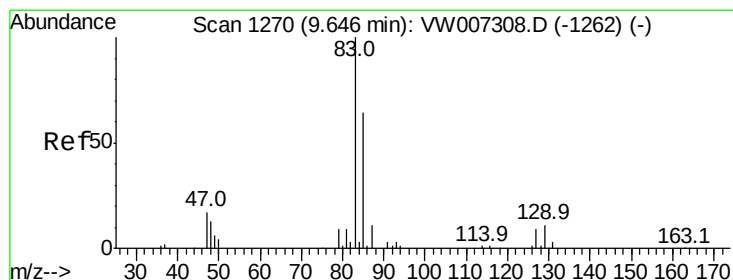
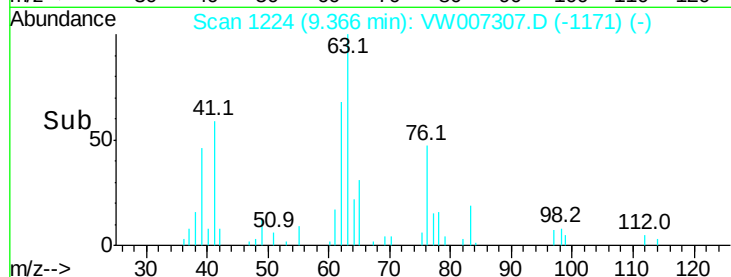
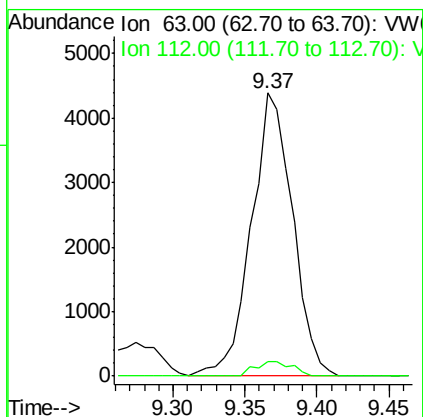
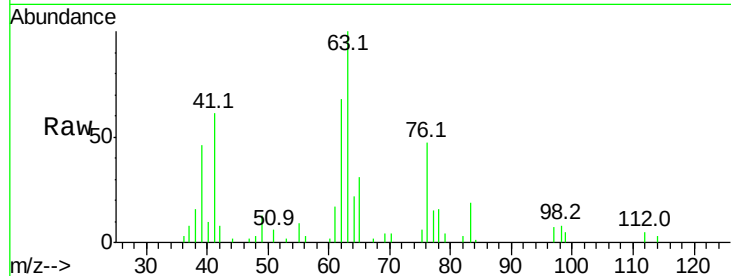




#40
 1,2-Dichloropropane
 Concen: 5.553 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW007307.D
 Acq: 07 Dec 2018 14:06

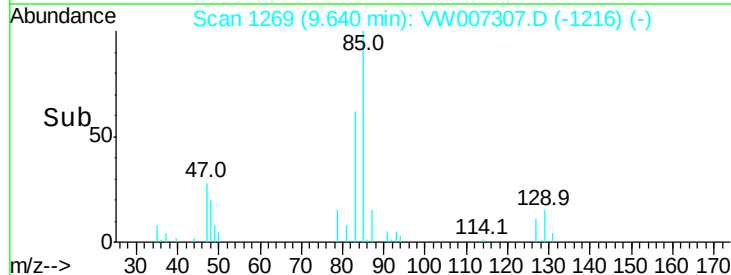
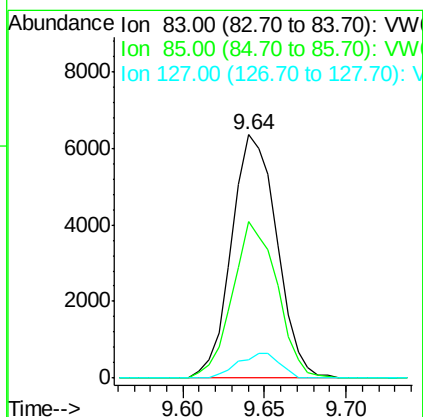
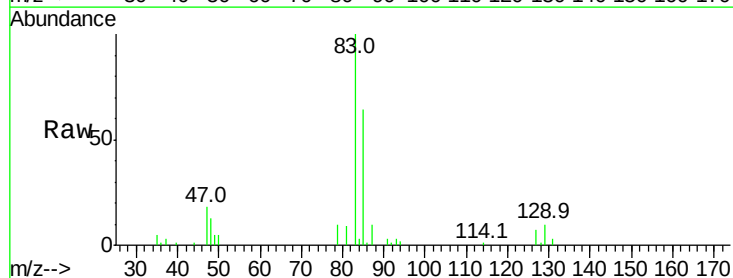
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00593

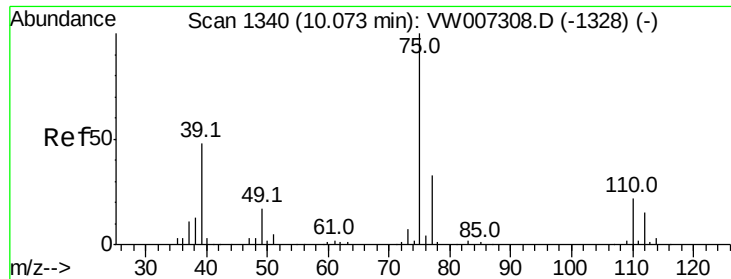
Tgt Ion: 63 Resp: 8710
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#41
 Bromodichloromethane
 Concen: 5.986 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW007307.D
 Acq: 07 Dec 2018 14:06

Tgt Ion: 83 Resp: 12293
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.9 83.5
 127 7.3 7.4 11.2#





#42

cis-1,3-Dichloropropene

Concen: 5.806 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

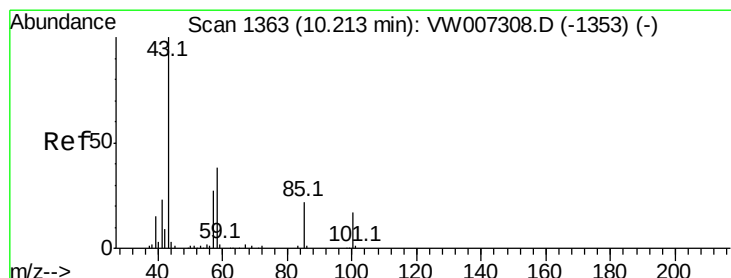
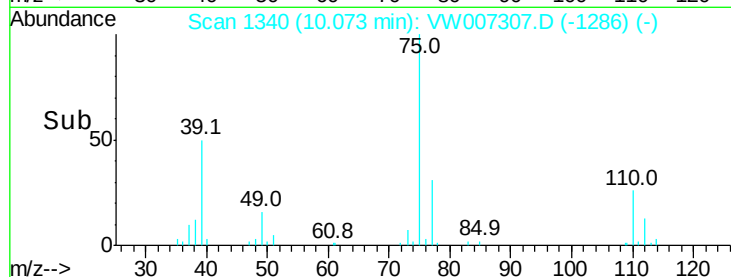
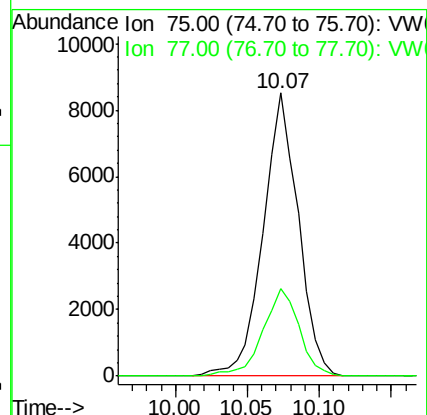
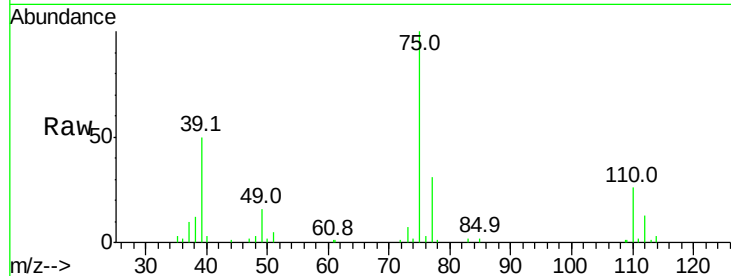
VSTD00593

Tgt Ion: 75 Resp: 14465

Ion Ratio Lower Upper

75 100

77 30.9 23.0 42.6



#43

4-Methyl-2-pentanone

Concen: 11.623 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

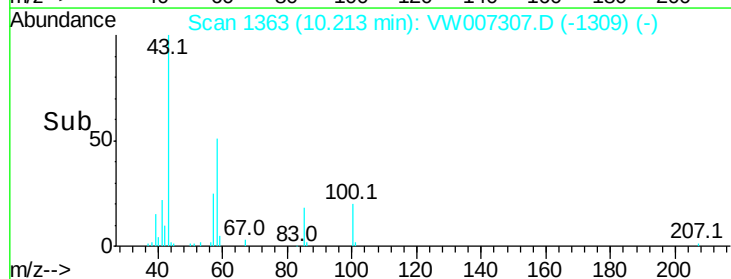
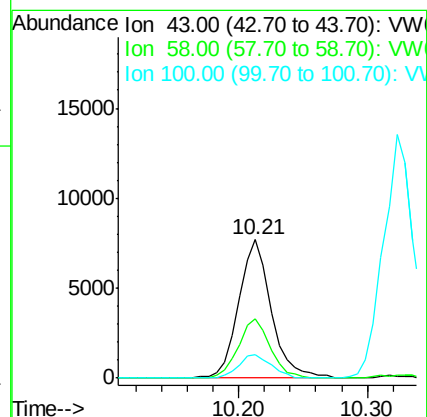
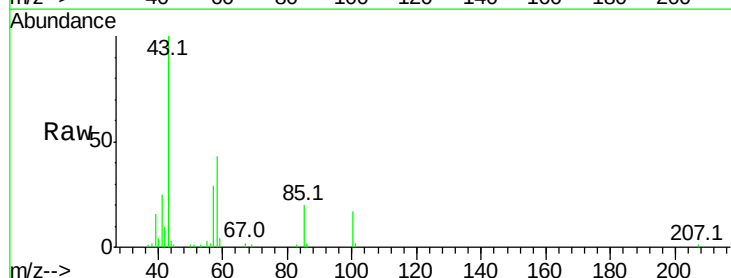
Tgt Ion: 43 Resp: 13490

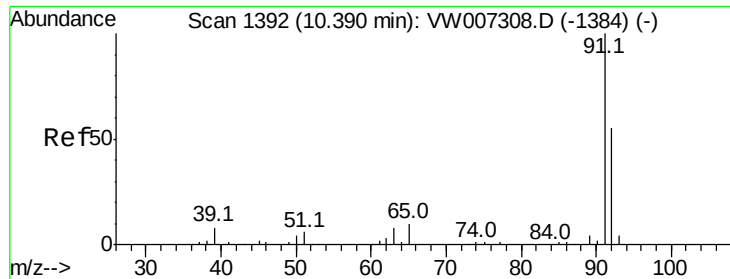
Ion Ratio Lower Upper

43 100

58 41.6 32.6 48.8

100 16.9 13.8 20.8





#44

Toluene

Concen: 4.852 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

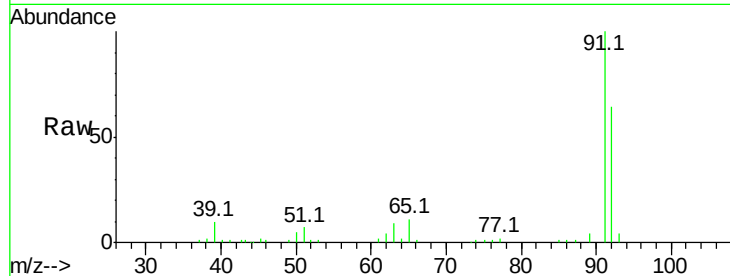
VSTD00593

Tgt Ion: 91 Resp: 38015

Ion Ratio Lower Upper

91 100

92 63.9 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

25000

20000

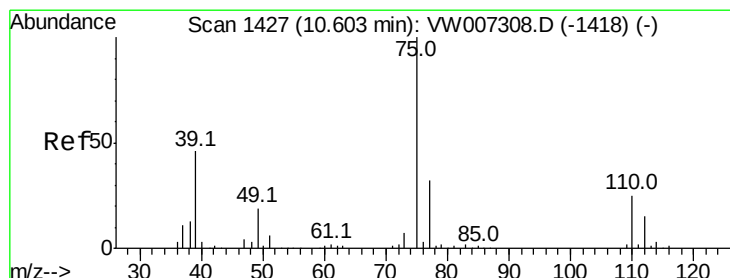
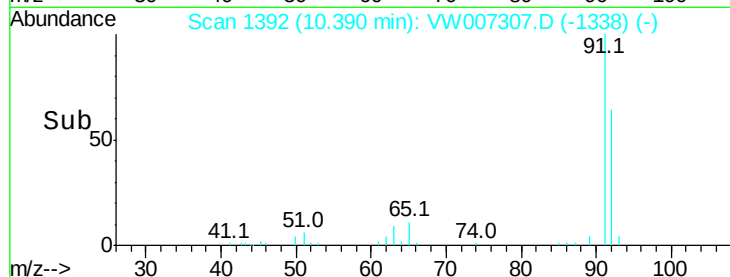
15000

10000

5000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 5.860 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW007307.D

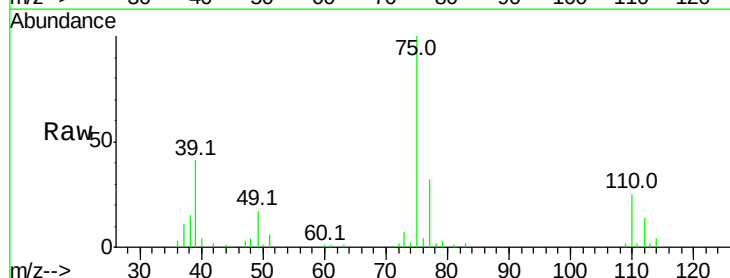
Acq: 07 Dec 2018 14:06

Tgt Ion: 75 Resp: 12827

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

8000

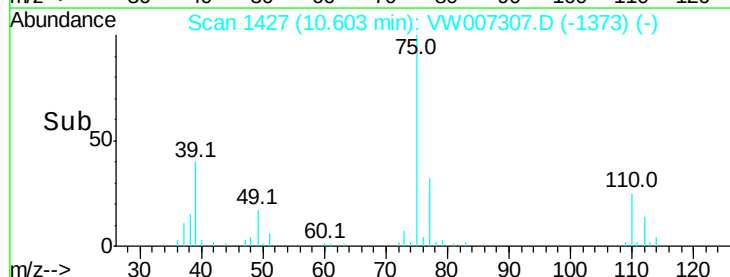
6000

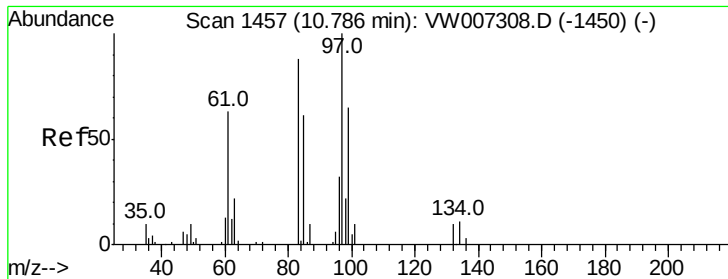
4000

2000

0

Time-->

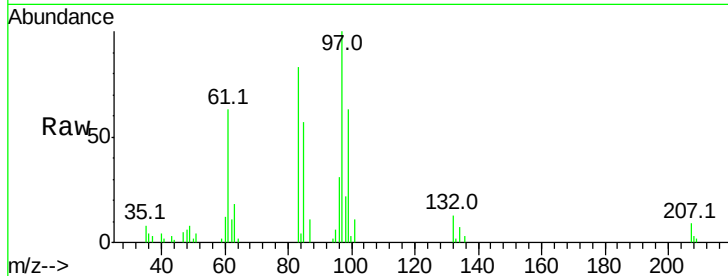




#46
 1,1,2-Trichloroethane
 Concen: 5.682 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007307.D
 Acq: 07 Dec 2018 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00593

Tgt Ion:	97	Resp:	7018
Ion	Ratio	Lower	Upper
97	100		
83	82.9	61.2	113.8
85	57.0	42.5	78.9
99	63.4	45.7	84.9



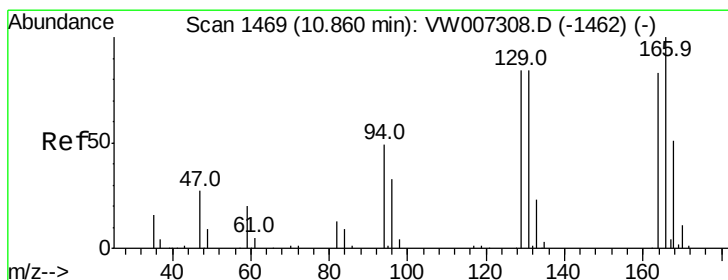
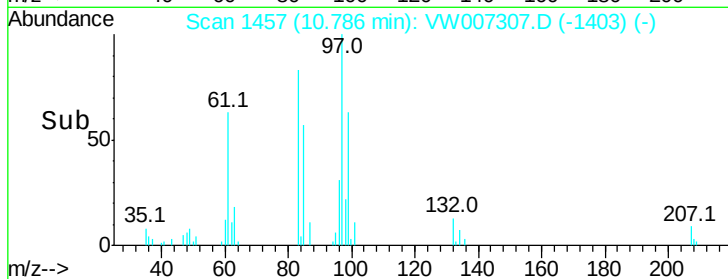
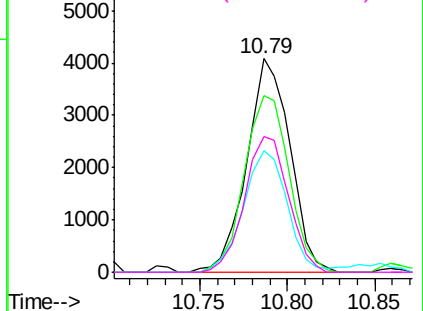
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

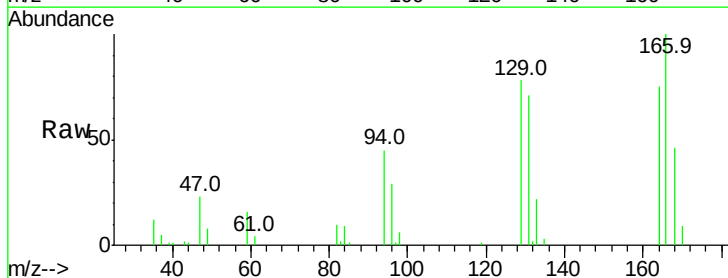
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 5.045 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW007307.D
 Acq: 07 Dec 2018 14:06

Tgt Ion:	164	Resp:	7813
Ion	Ratio	Lower	Upper
164	100		
129	103.6	70.8	131.6
131	95.4	70.4	130.8
166	133.6	84.2	156.4



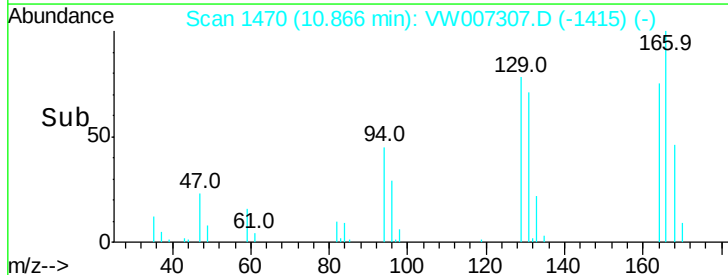
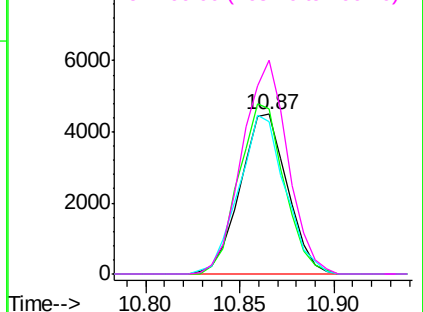
Abundance

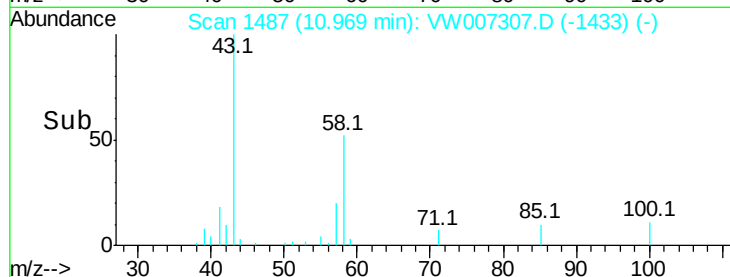
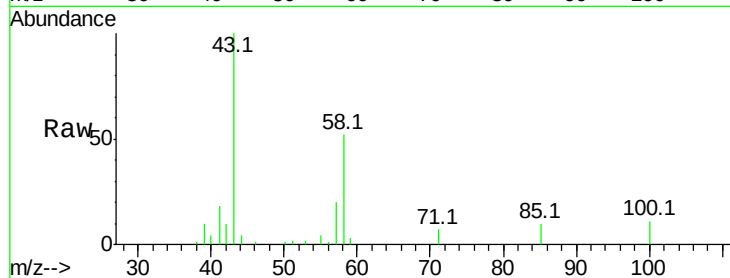
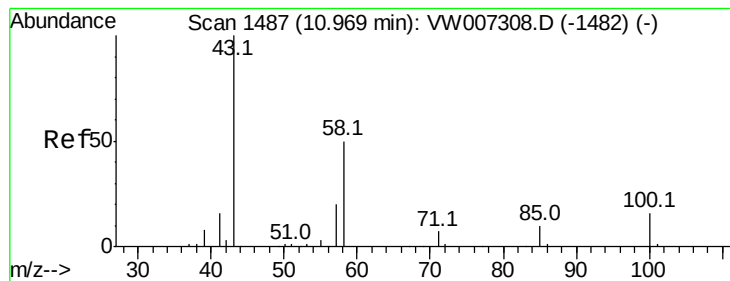
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 11.990 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

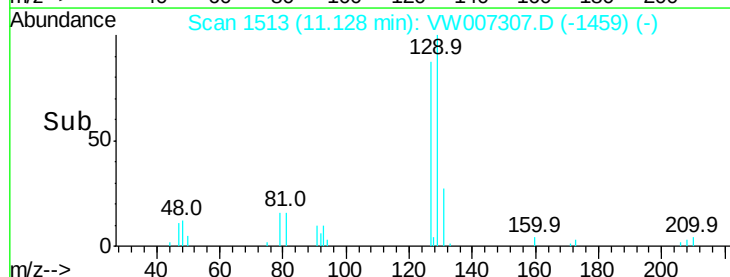
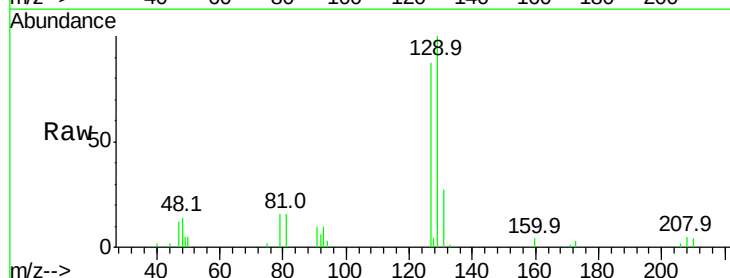
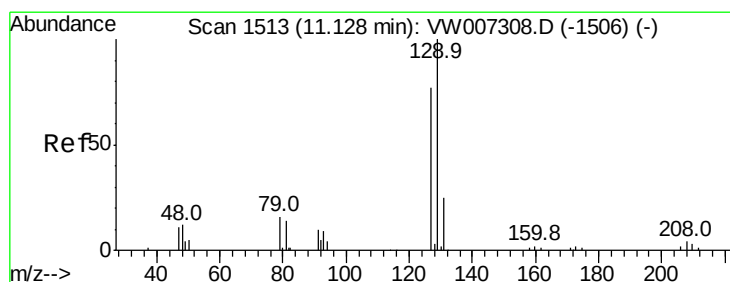
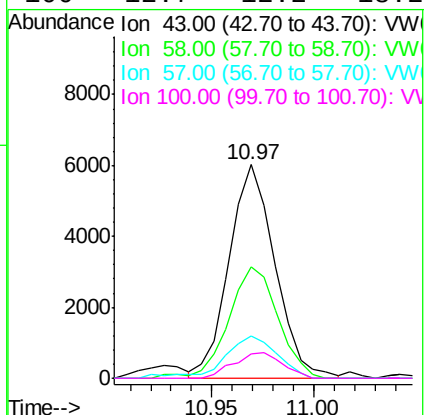
MSVOA_W

ClientSampleId :

VSTD00593

Tgt Ion: 43 Resp: 9420

Ion	Ratio	Lower	Upper
43	100		
58	55.0	47.2	70.8
57	21.2	17.6	26.4
100	12.7	12.2	18.2



#50

Dibromochloromethane

Concen: 5.529 ug/L

RT: 11.13 min Scan# 1513

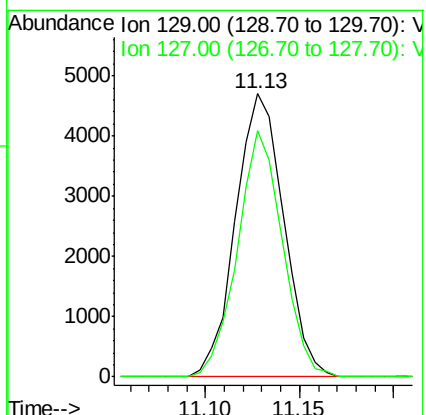
Delta R.T. -0.00 min

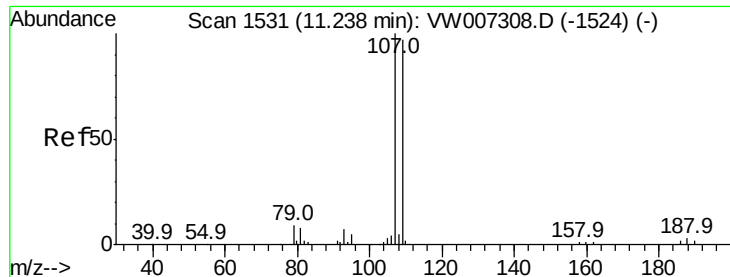
Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Tgt Ion: 129 Resp: 8319

Ion	Ratio	Lower	Upper
129	100		
127	86.9	53.8	100.0





#51

1,2-Dibromoethane

Concen: 6.081 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD00593

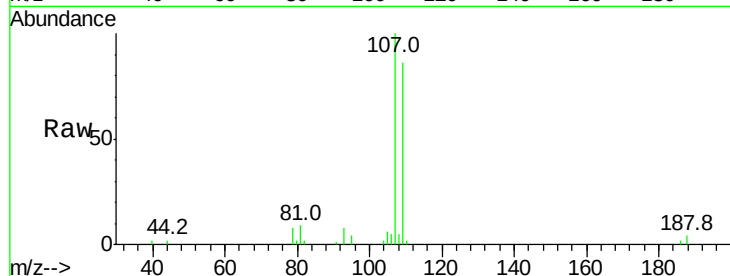
Tgt Ion:107 Resp: 7612

Ion Ratio Lower Upper

107 100

109 86.3 67.6 125.6

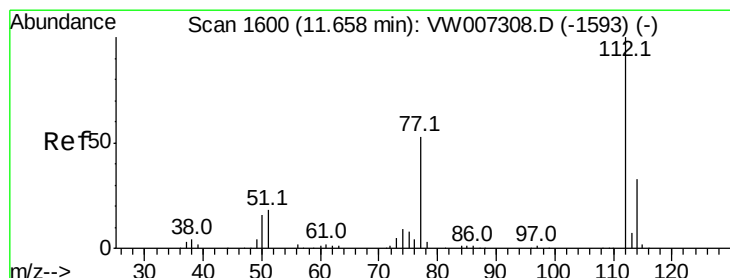
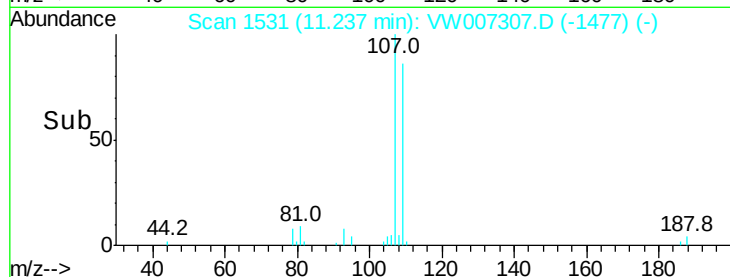
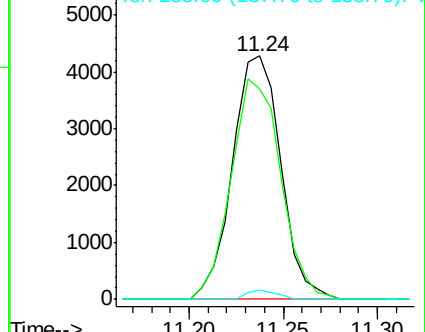
188 4.0 2.6 4.0#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 5.093 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

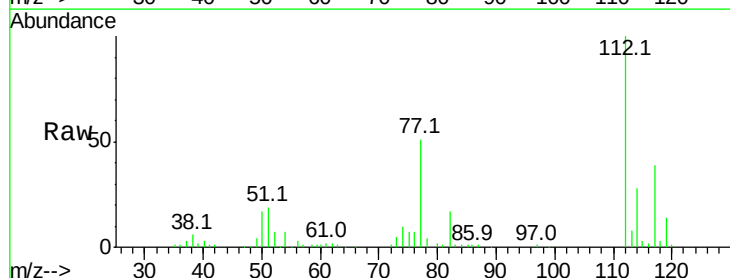
Tgt Ion:112 Resp: 26309

Ion Ratio Lower Upper

112 100

77 51.4 42.6 63.8

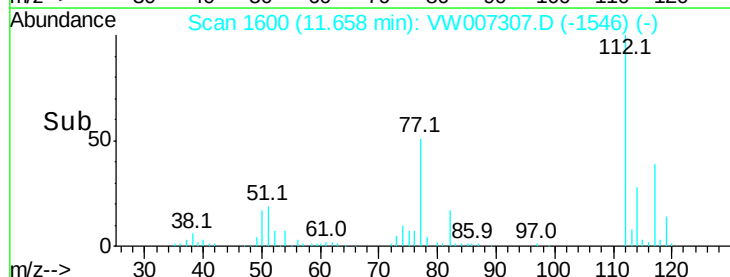
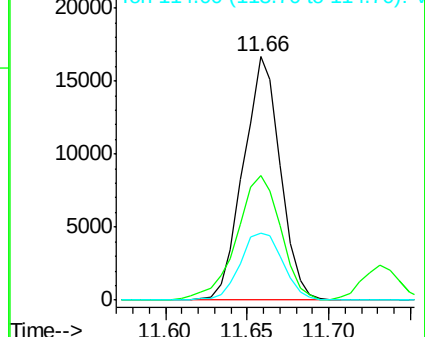
114 27.6 23.0 42.8

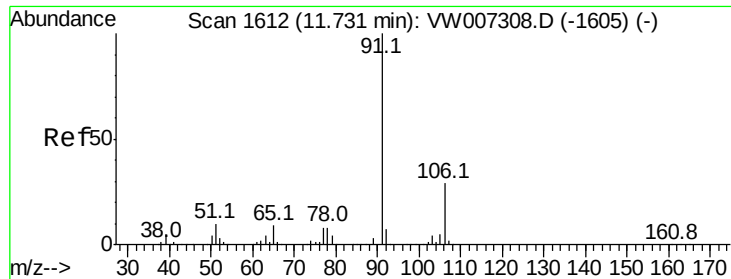


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

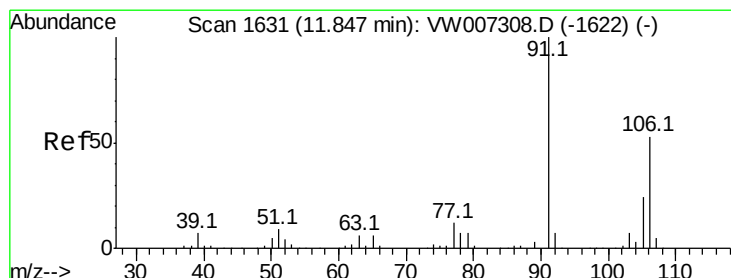
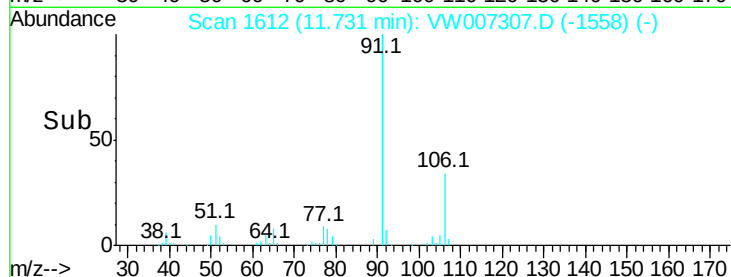
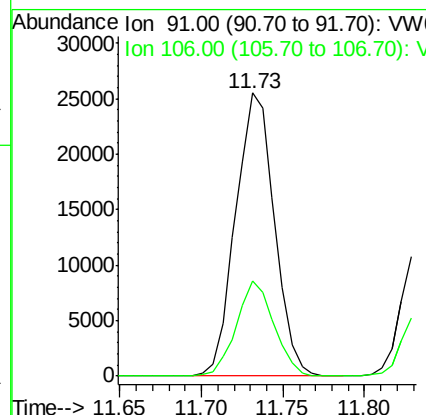
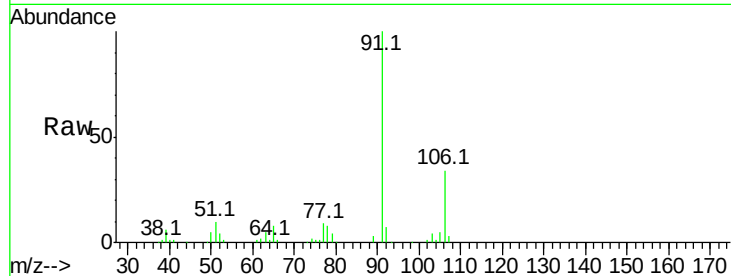




#53
Ethylbenzene
Concen: 4.664 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

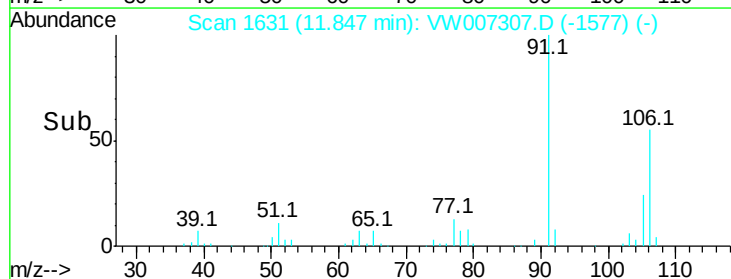
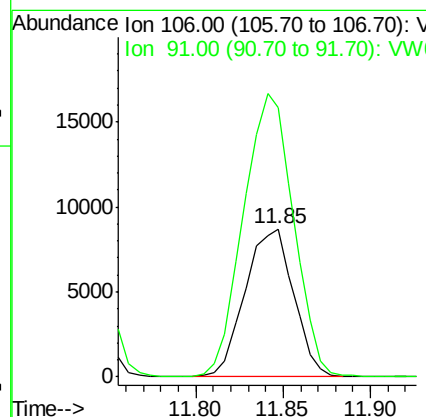
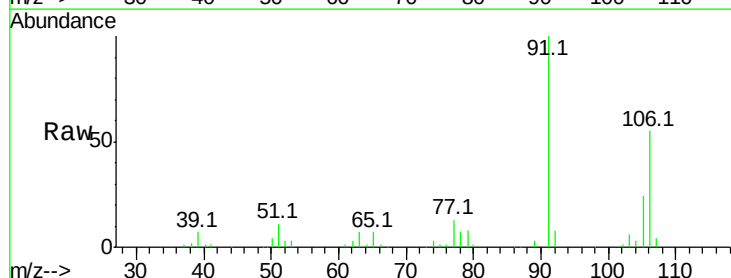
Instrument :
MSVOA_W
ClientSampleId :
VSTD00593

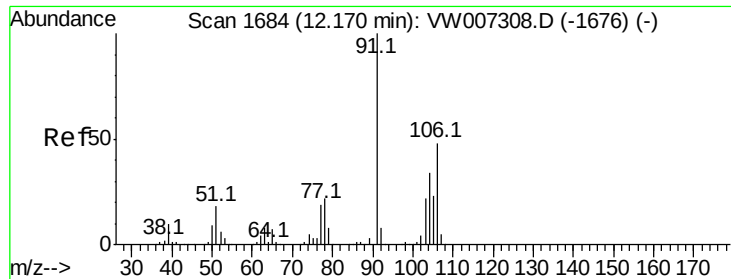
Tgt Ion: 91 Resp: 42368
Ion Ratio Lower Upper
91 100
106 33.6 20.2 37.4



#54
m,p-Xylene
Concen: 4.740 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

Tgt Ion: 106 Resp: 16802
Ion Ratio Lower Upper
106 100
91 182.2 132.2 245.6

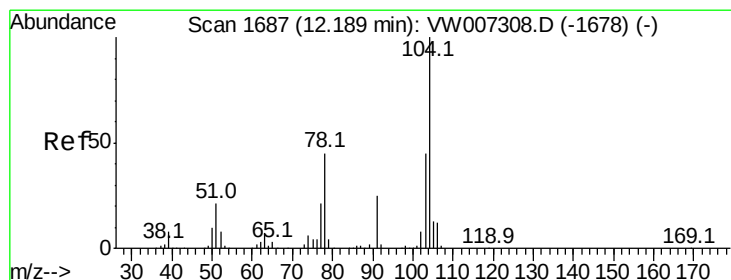
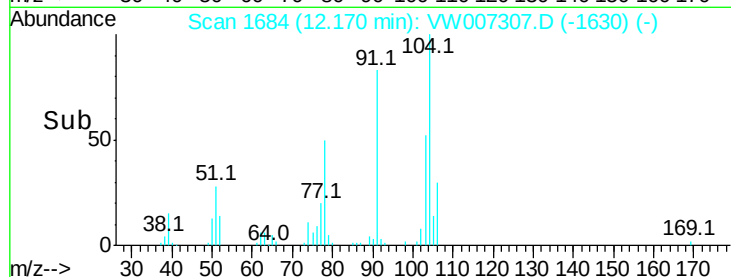
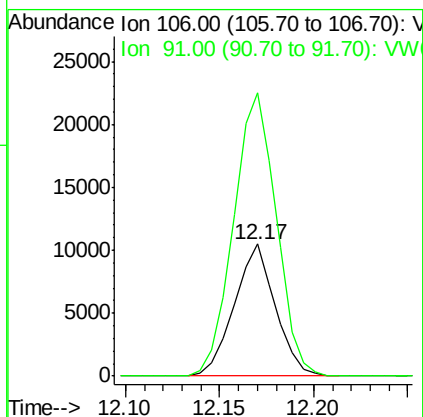
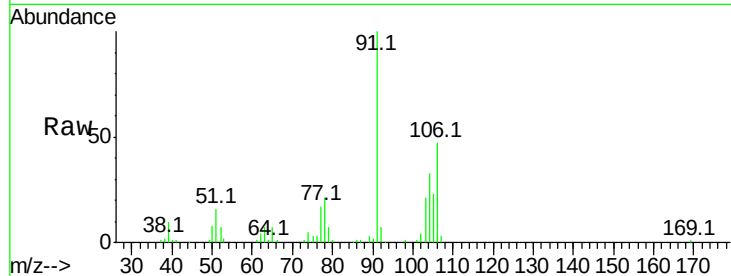




#55
o-xylene
Concen: 4.809 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

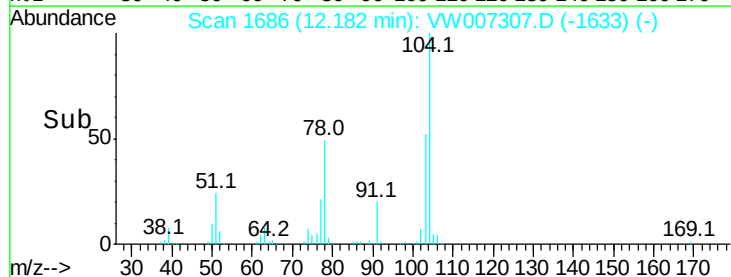
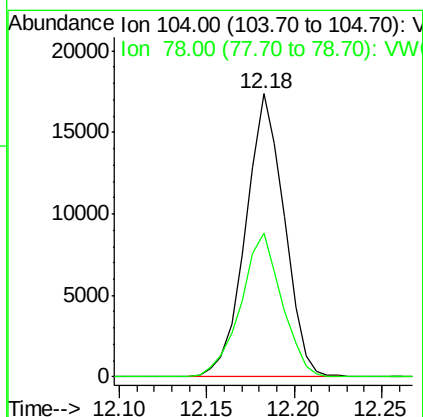
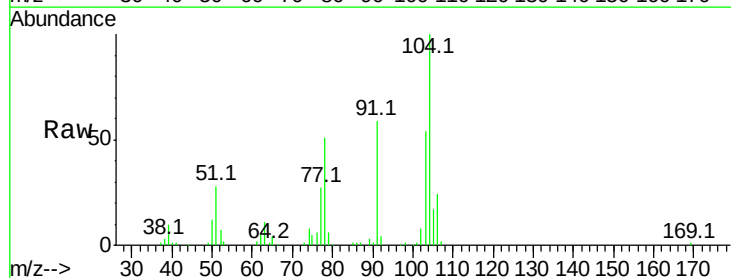
Instrument :
MSVOA_W
ClientSampled :
VSTD00593

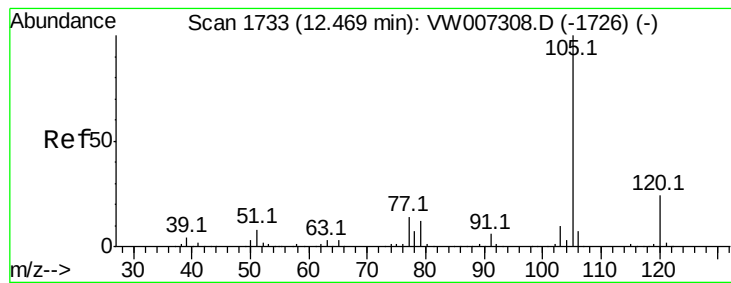
Tgt Ion:106 Resp: 15807
Ion Ratio Lower Upper
106 100
91 214.9 147.0 273.0



#56
Styrene
Concen: 4.802 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW007307.D
Acq: 07 Dec 2018 14:06

Tgt Ion:104 Resp: 26692
Ion Ratio Lower Upper
104 100
78 50.8 31.8 59.0





#57

Isopropylbenzene

Concen: 4.929 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

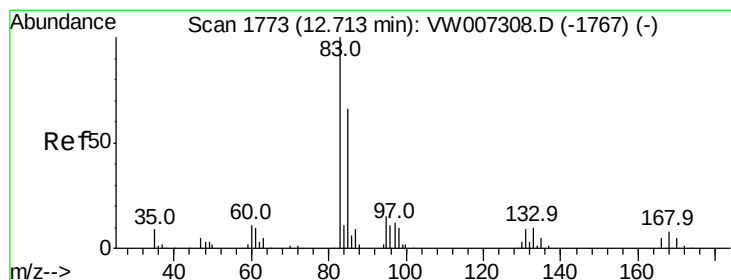
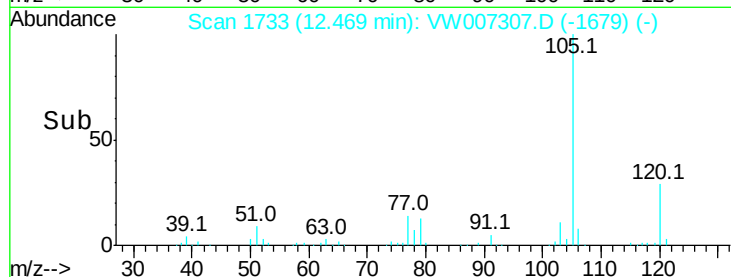
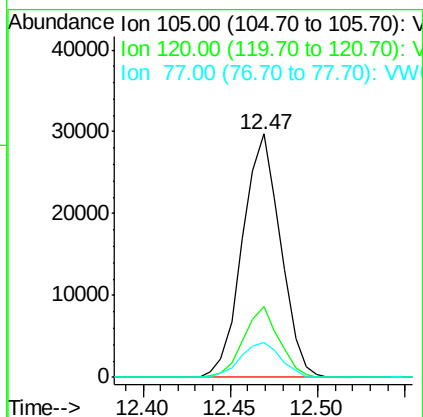
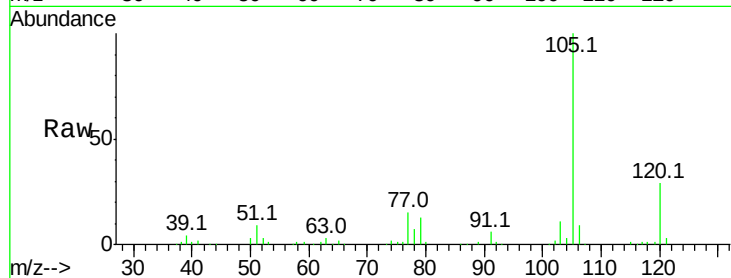
Instrument :

MSVOA_W

ClientSampleId :

VSTD00593

Tgt Ion:	105	Resp:	45057
Ion Ratio	Lower	Upper	
105	100		
120	27.2	20.6	30.8
77	15.3	12.2	18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 5.595 ug/L

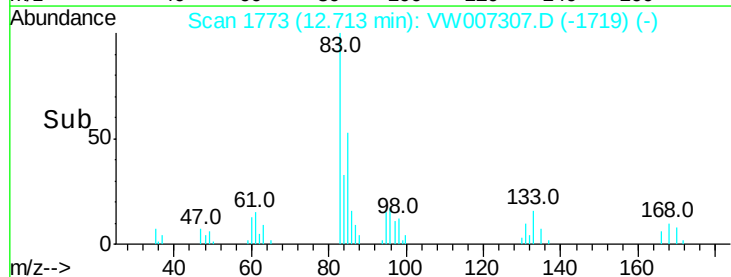
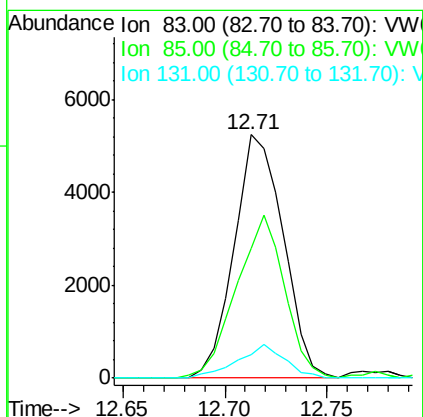
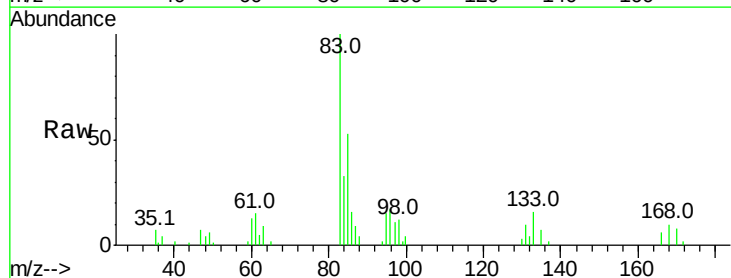
RT: 12.71 min Scan# 1773

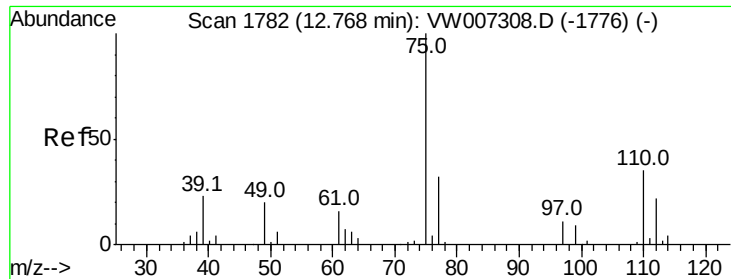
Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Tgt Ion:	83	Resp:	8783
Ion Ratio	Lower	Upper	
83	100		
85	53.2	46.2	85.8
131	9.6	7.8	11.6

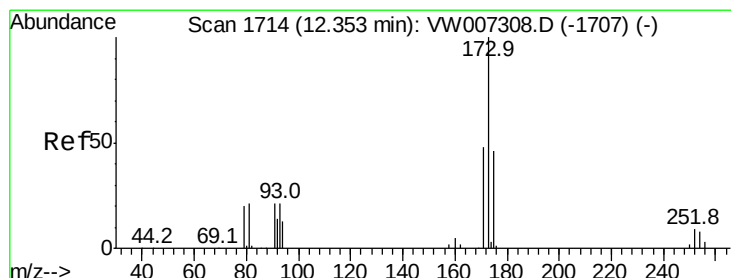
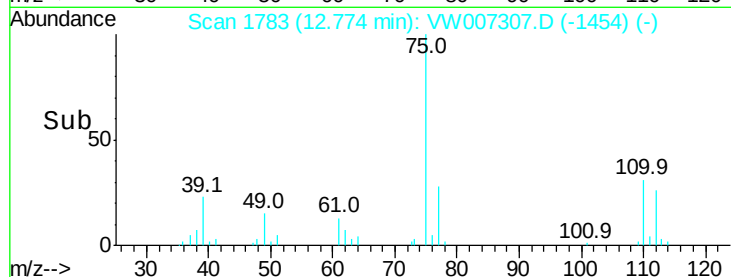
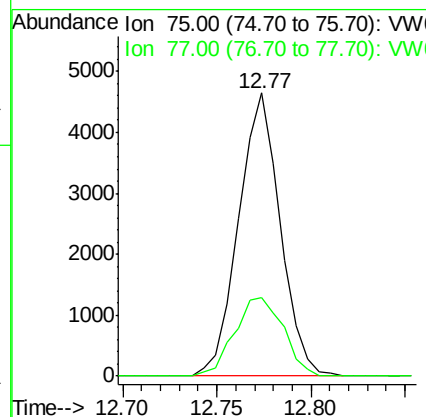
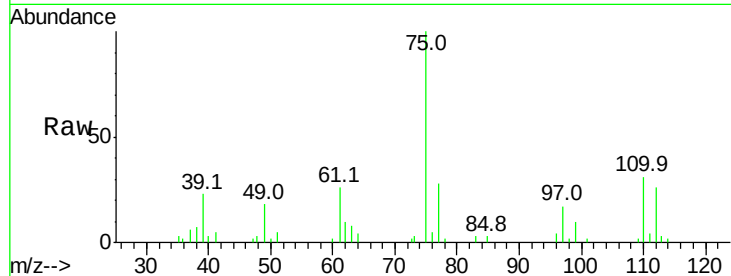




#59
 1,2,3-Trichloropropane
 Concen: 5.802 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW007307.D
 Acq: 07 Dec 2018 14:06

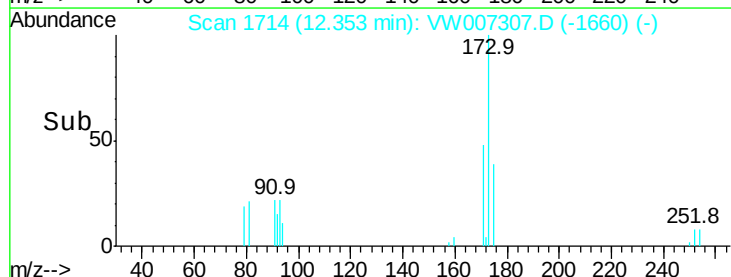
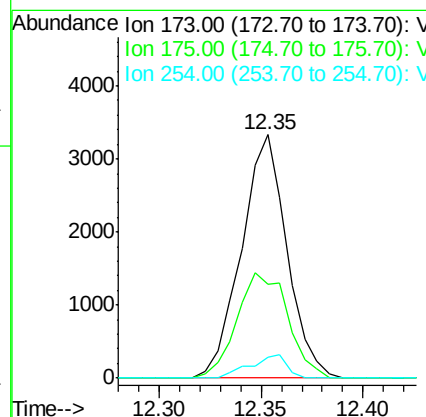
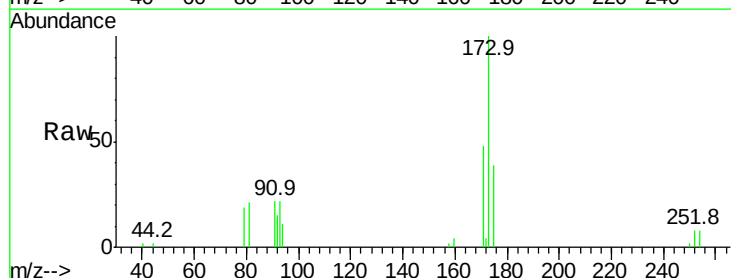
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00593

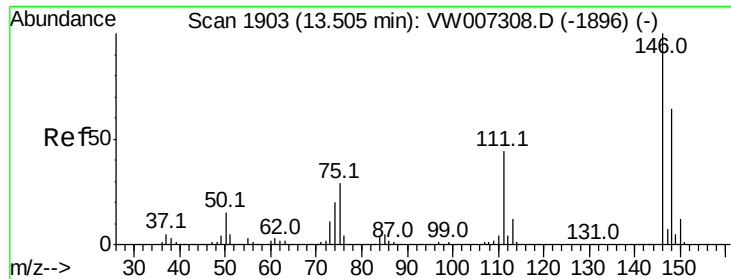
Tgt Ion: 75 Resp: 7118
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.5 39.7



#62
 Bromoform
 Concen: 5.642 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW007307.D
 Acq: 07 Dec 2018 14:06

Tgt Ion: 173 Resp: 5172
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.6 58.0
 254 7.7 6.4 9.6

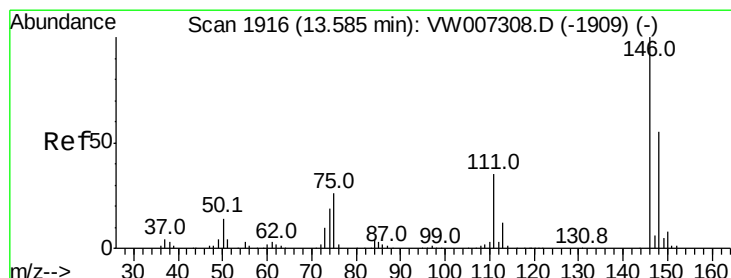
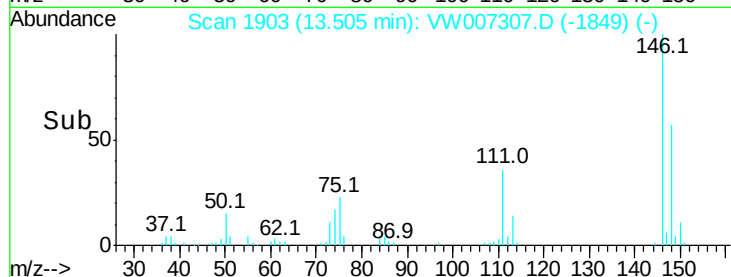
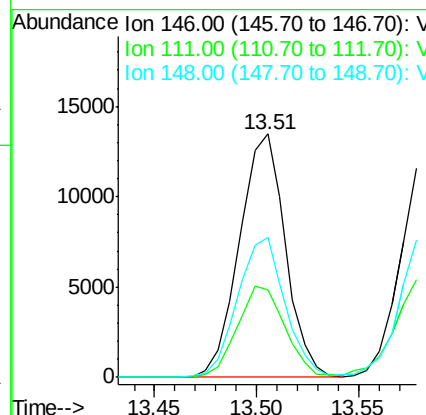
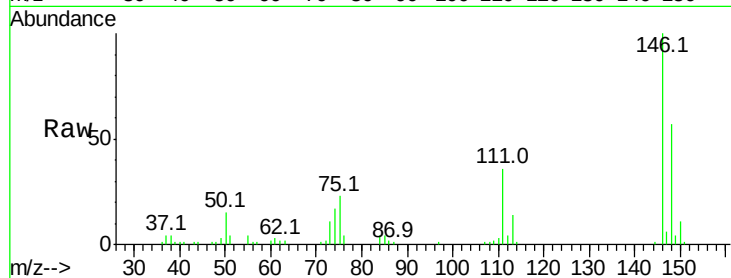




#63
 1,3-Dichlorobenzene
 Concen: 4.775 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007307.D
 Acq: 07 Dec 2018 14:06

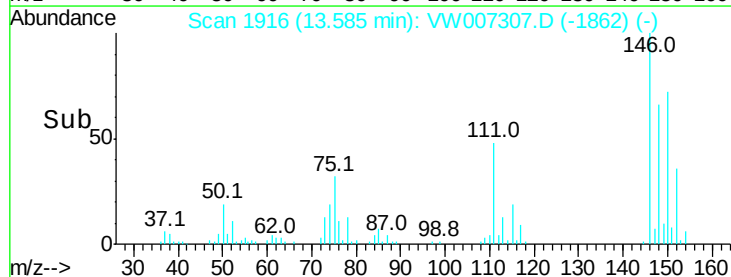
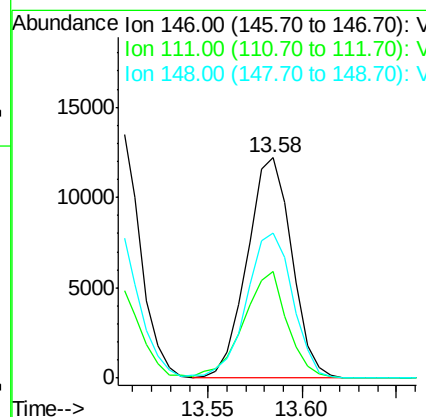
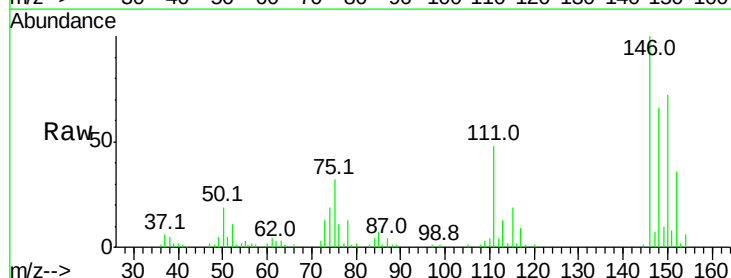
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00593

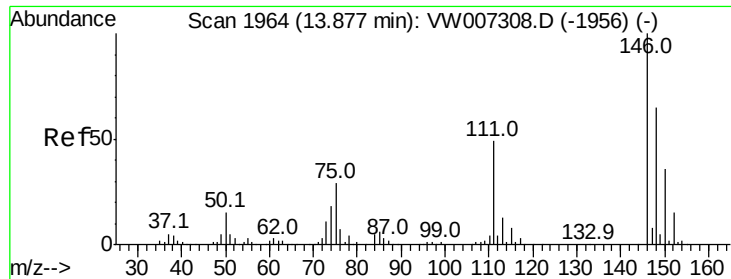
Tgt Ion:146 Resp: 21035
 Ion Ratio Lower Upper
 146 100
 111 35.9 31.0 57.6
 148 57.2 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 4.530 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007307.D
 Acq: 07 Dec 2018 14:06

Tgt Ion:146 Resp: 20075
 Ion Ratio Lower Upper
 146 100
 111 48.4 24.8 46.0#
 148 66.1 38.7 71.9





#65

1,2-Dichlorobenzene

Concen: 4.535 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD00593

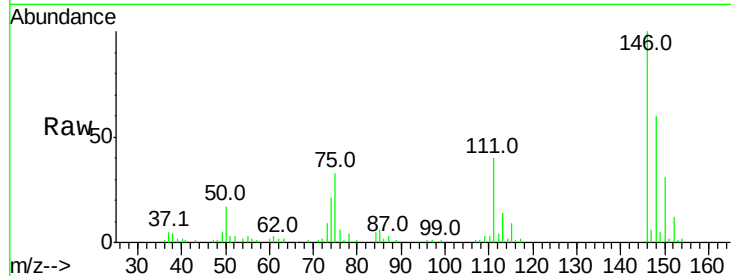
Tgt Ion:146 Resp: 18281

Ion Ratio Lower Upper

146 100

111 39.5 39.3 58.9

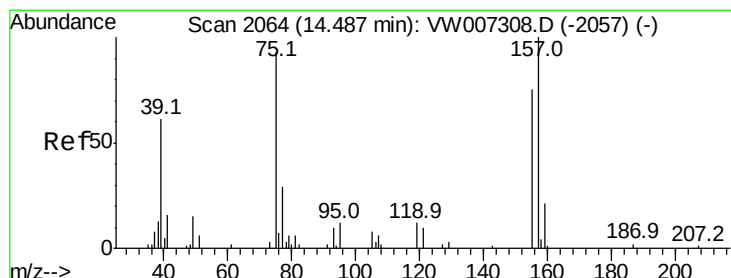
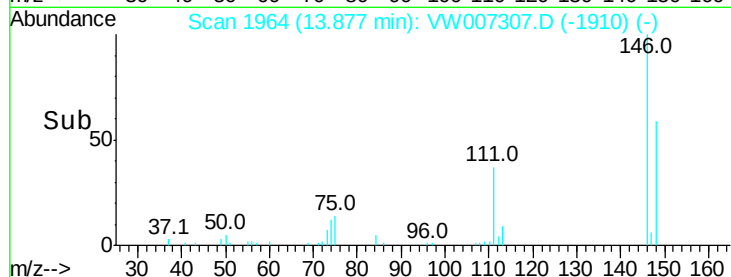
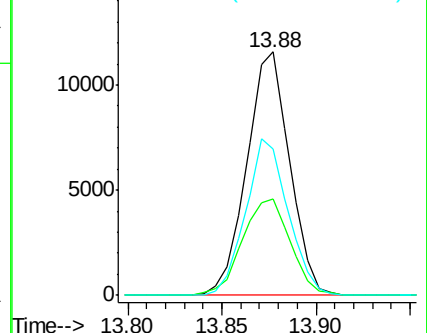
148 60.0 51.8 77.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.451 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

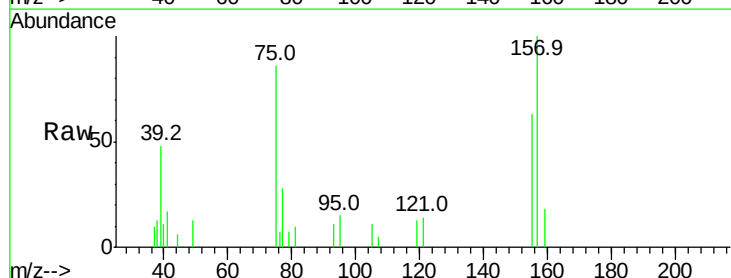
Tgt Ion: 75 Resp: 1782

Ion Ratio Lower Upper

75 100

157 116.1 86.0 129.0

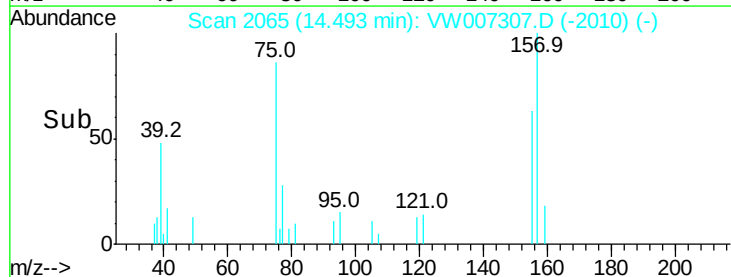
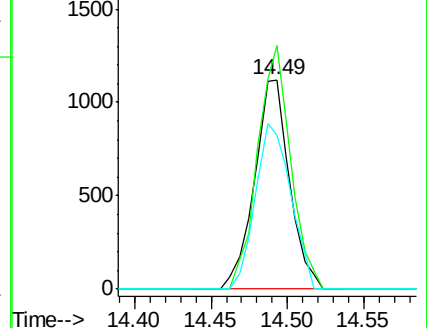
155 73.7 64.9 97.3

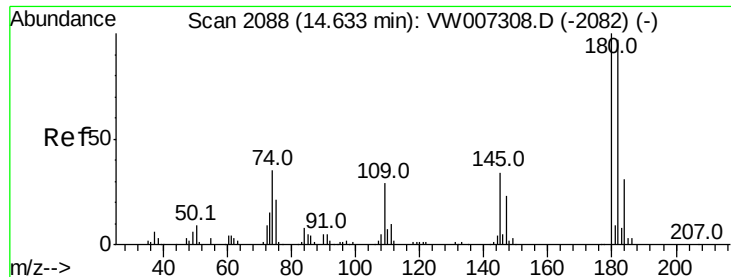


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

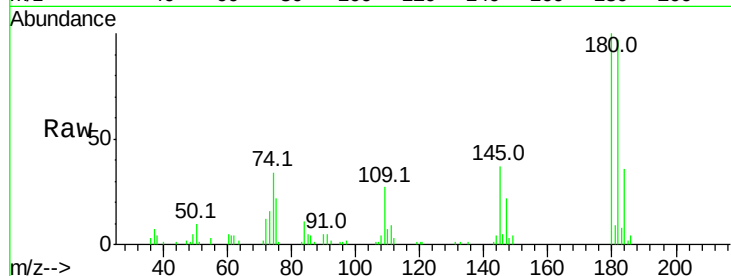




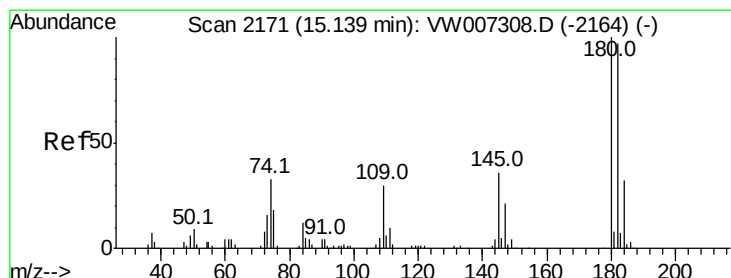
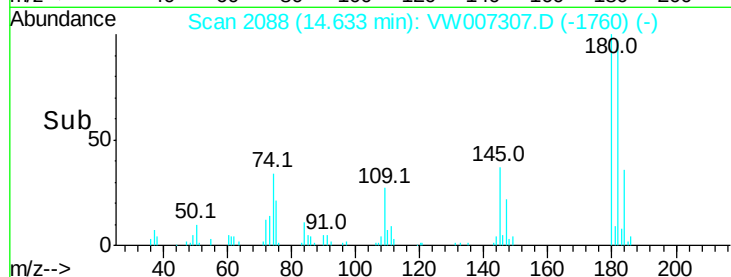
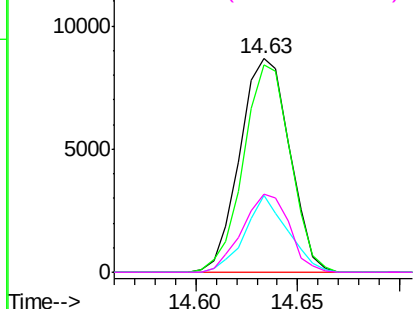
#67
 1,3,5-Trichlorobenzene
 Concen: 4.443 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW007307.D
 Acq: 07 Dec 2018 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00593

Tgt Ion:180 Resp: 14702
 Ion Ratio Lower Upper
 180 100
 182 91.7 74.6 111.8
 184 31.0 24.7 37.1
 145 34.6 27.2 40.8

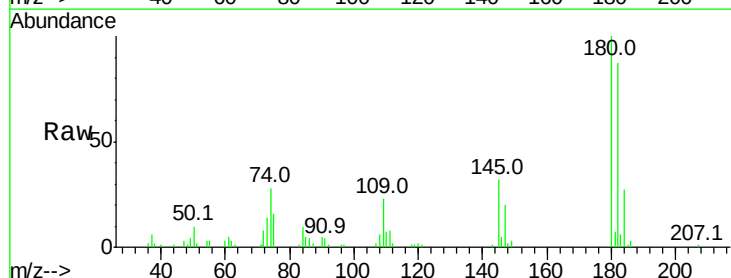


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

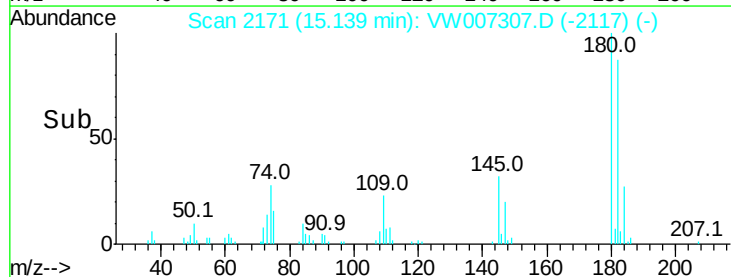
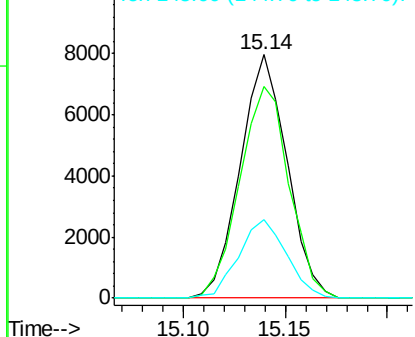


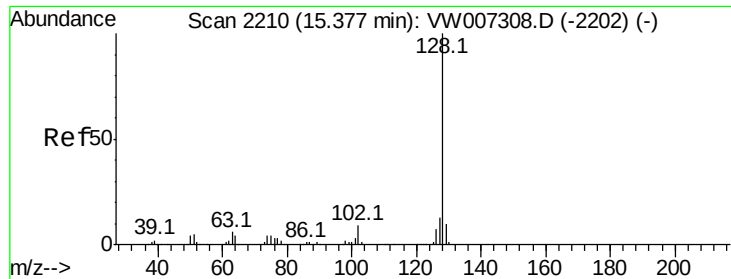
#68
 1,2,4-trichlorobenzene
 Concen: 4.518 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007307.D
 Acq: 07 Dec 2018 14:06

Tgt Ion:180 Resp: 12709
 Ion Ratio Lower Upper
 180 100
 182 91.7 77.4 116.2
 145 33.1 28.4 42.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 5.082 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD00593

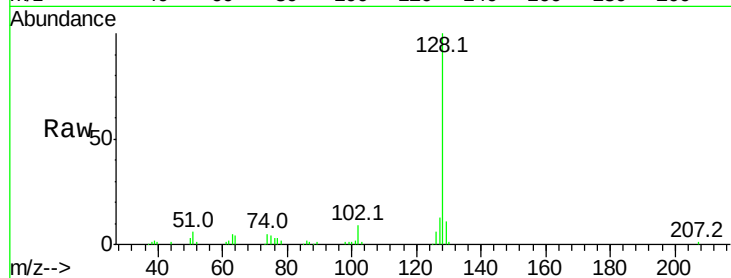
Tgt Ion:128 Resp: 30439

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

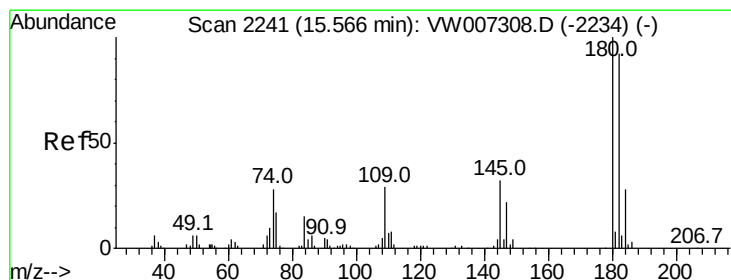
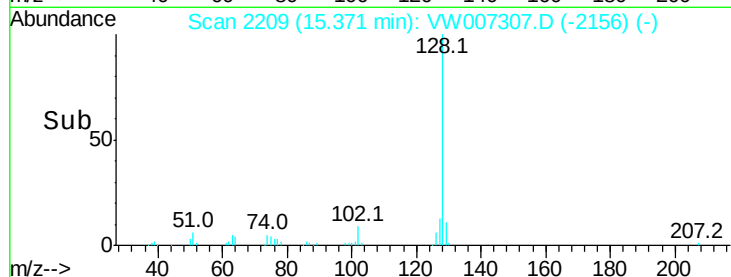
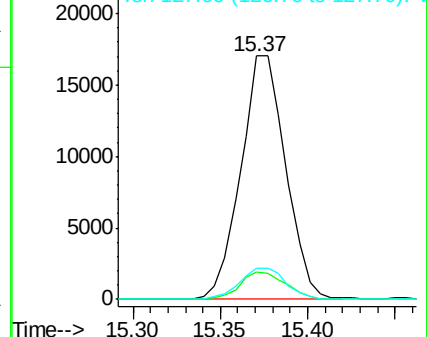
127 13.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.609 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW007307.D

Acq: 07 Dec 2018 14:06

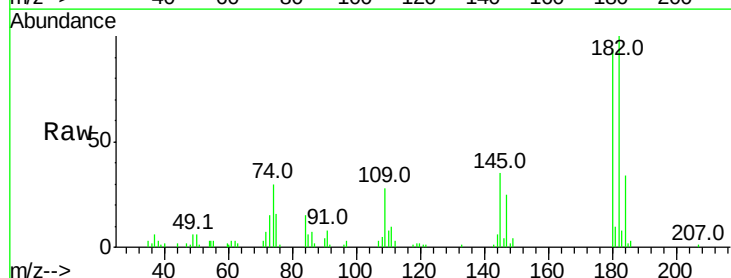
Tgt Ion:180 Resp: 11312

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

145 36.1 27.4 41.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

